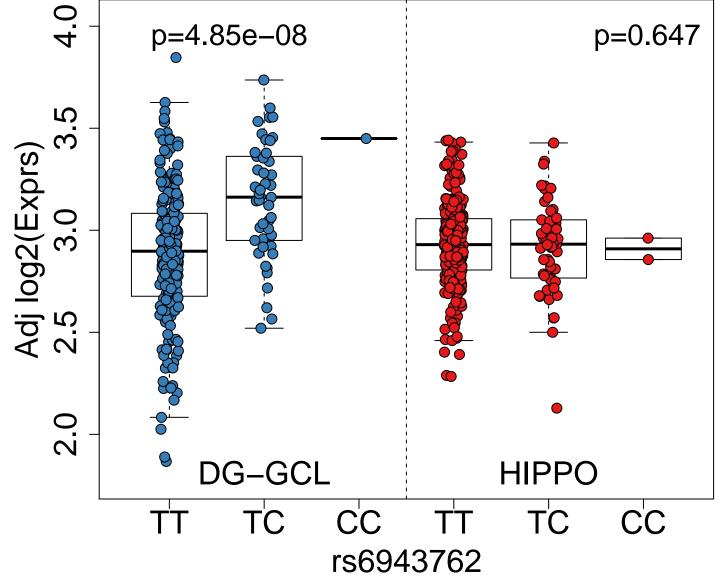
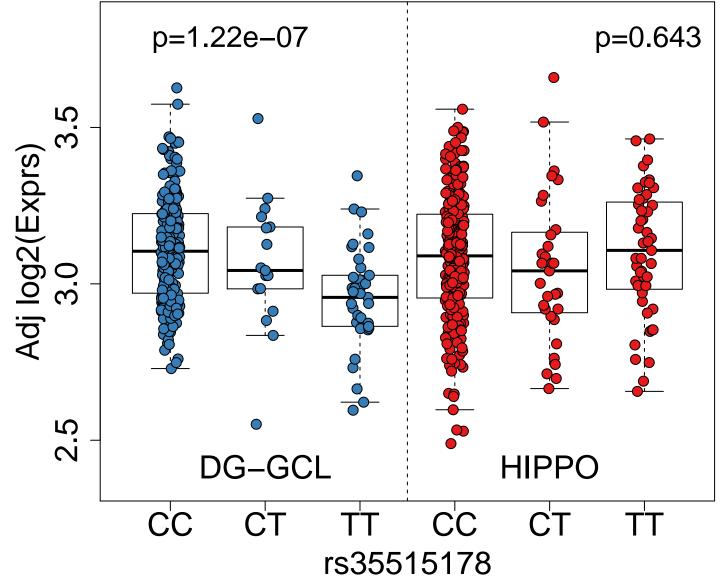
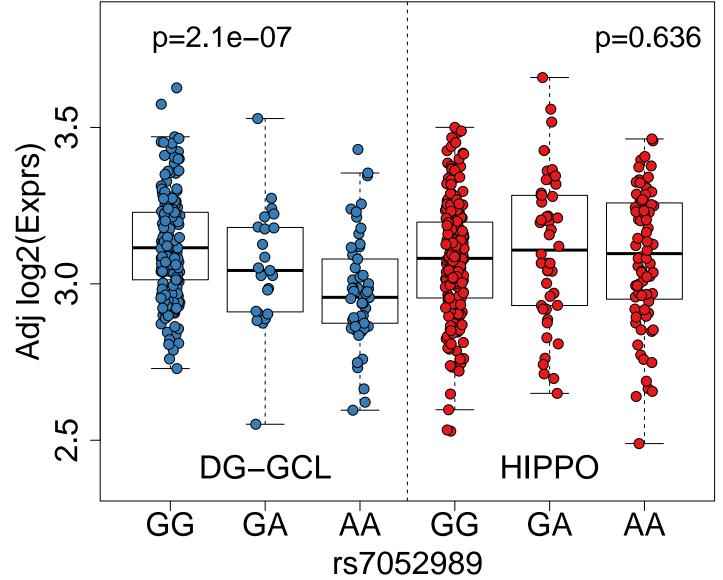
Index: rs12704290 (R^2=0.817) ENSG00000198822.10: GRM3 4.5 p=2.51e-08p=0.811Adj log2(Exprs) 2.5 DG-GCL **HIPPO** TC TC rs6943762

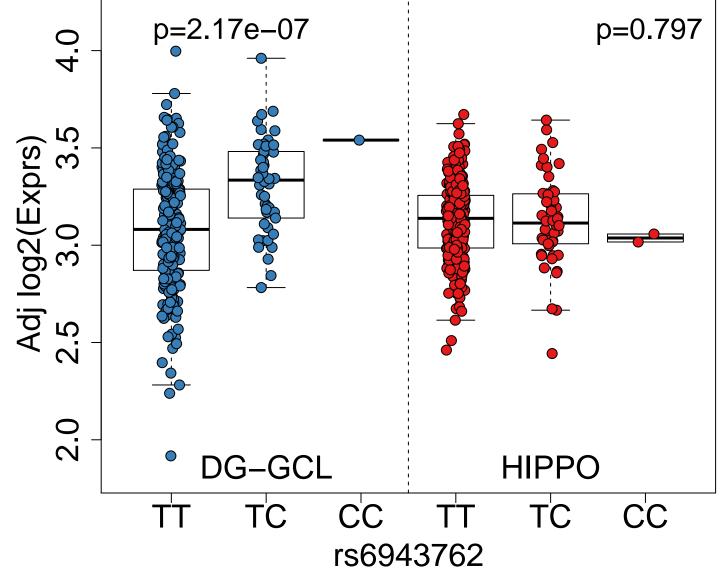
Index: rs12704290 (R^2=0.817) ENSE00001792681.1: GRM3



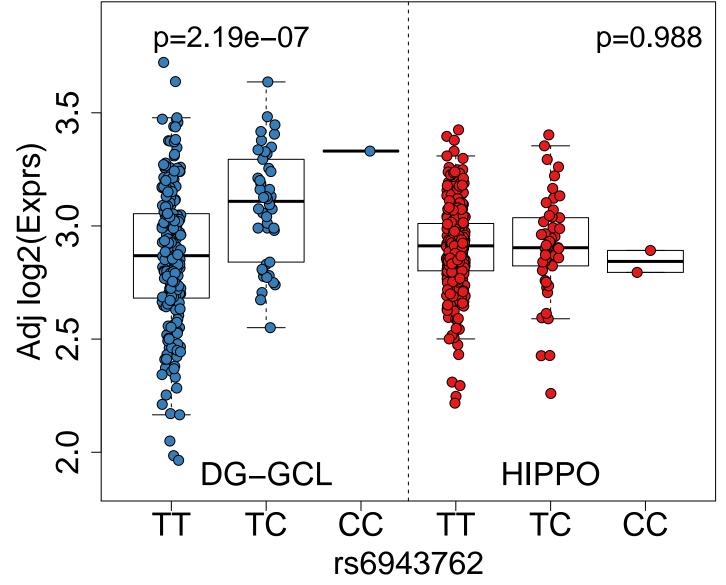




Index: rs12704290 (R^2=0.817) ENSE00000700691.1: GRM3



Index: rs12704290 (R^2=0.817) ENSE00001254406.1: GRM3

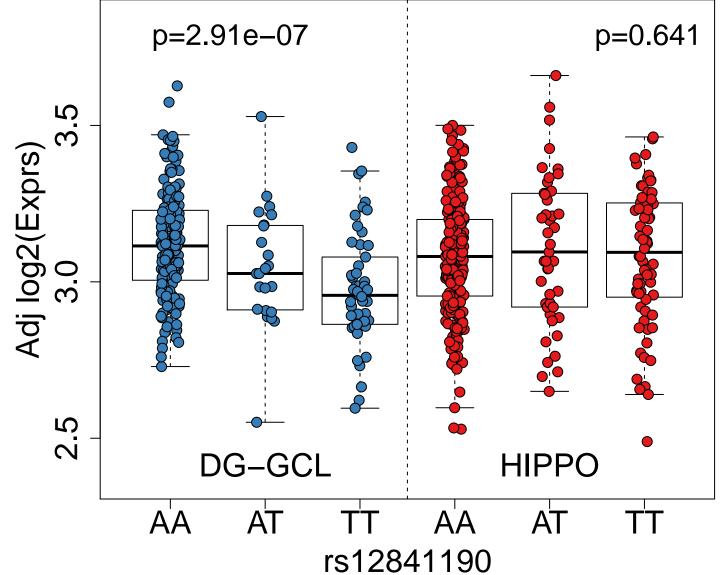


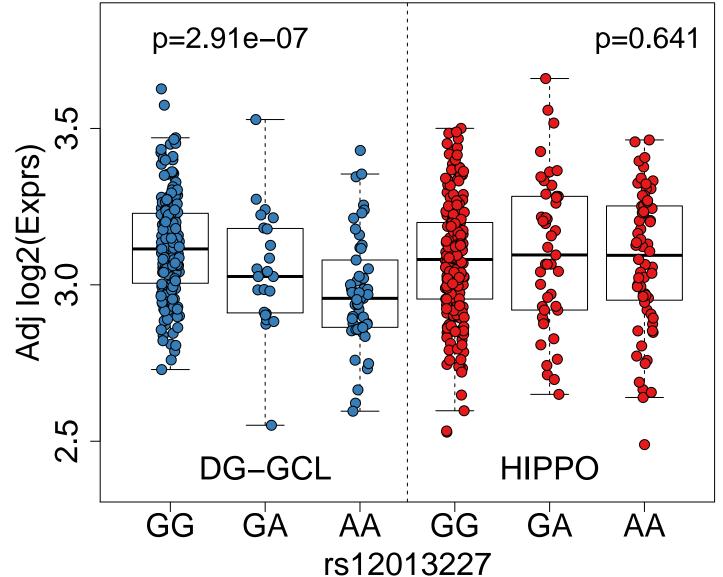
Index: rs2410572 (R^2=0.968) ENSE00003721697.1: PSD3 p=2.4e-07p=0.7625.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** CC CG C_C GG GG CG rs13281280

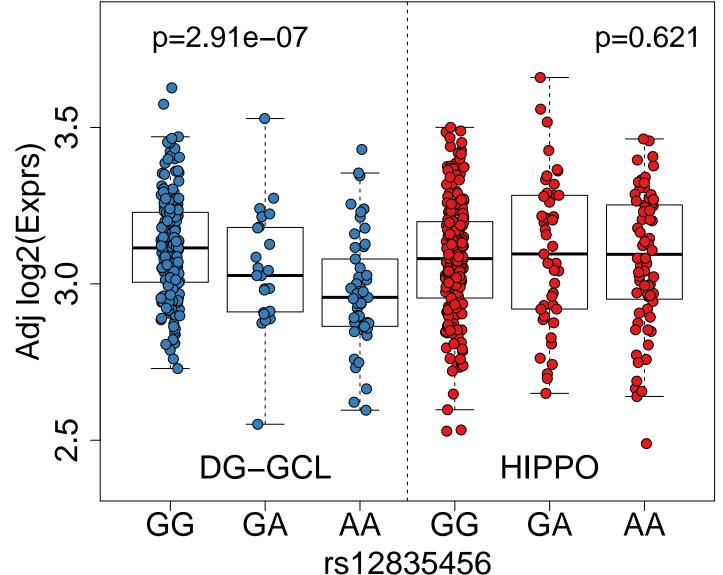
Index: rs2410572 (R^2=0.968) ENSE00001249934.8: PSD3 5.5 p=2.4e-07p=0.875Adj log2(Exprs) DG-GCL **HIPPO** CC C[']G CC GG GG CG rs13281280

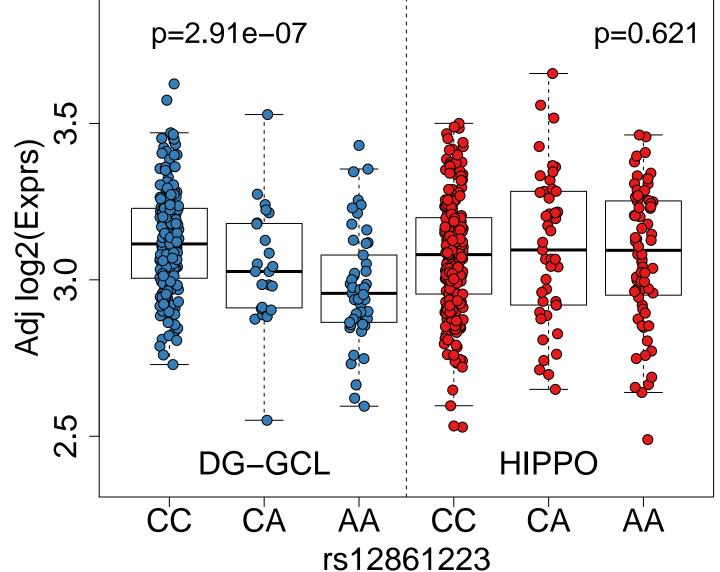
Index: rs2410572 (R^2=0.968) ENSE00001801145.2: PSD3 5.5 p=2.4e-07p=0.875Adj log2(Exprs) DG-GCL **HIPPO** CC CC CG GG GG CG rs13281280

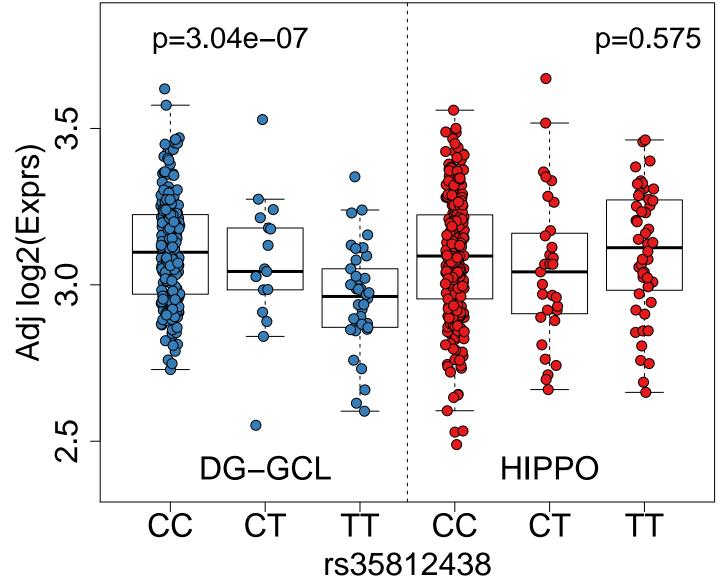
Index: rs12704290 (R^2=0.817) ENSE00001254415.3: GRM3 4.5 p=2.49e-07p=0.613Adj log2(Exprs) 3.0 3.5 4 2.5 DG-GCL **HIPPO** TC CCTC rs6943762

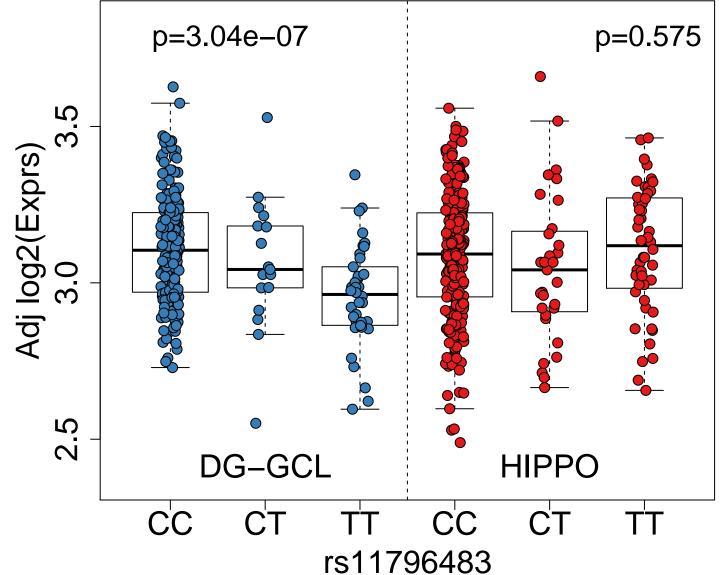


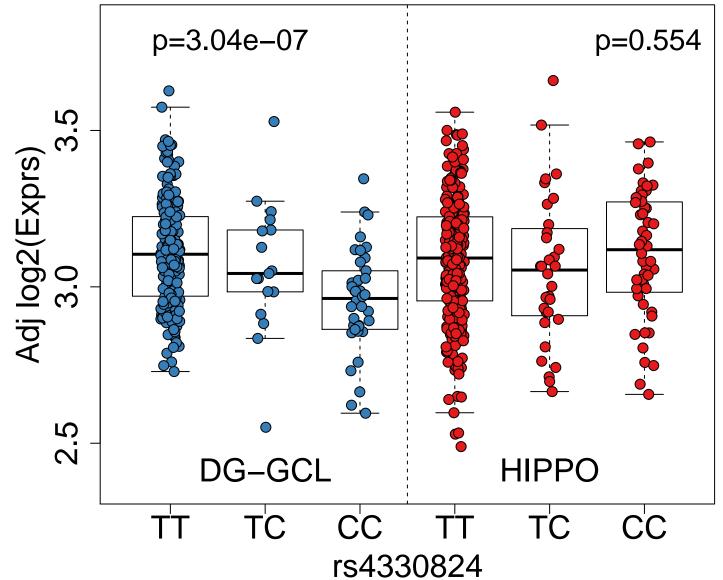






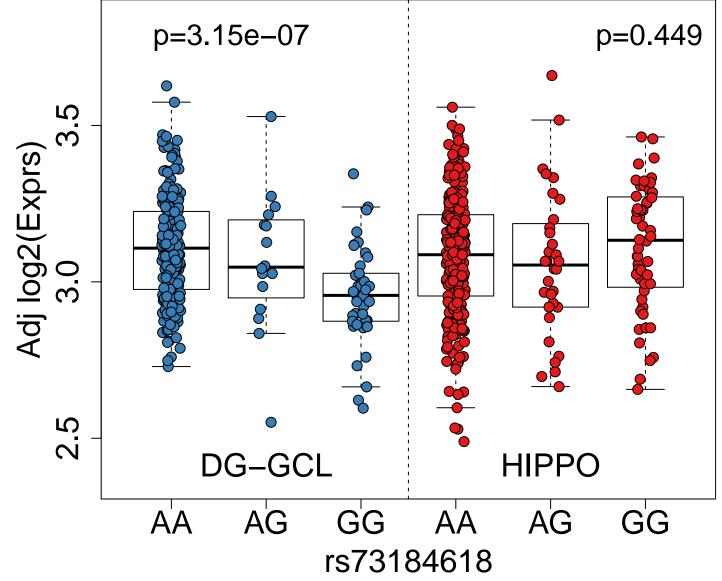


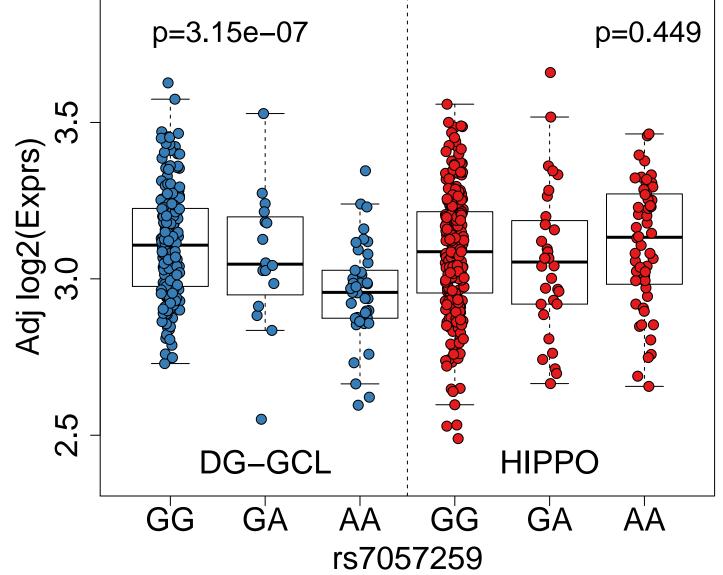


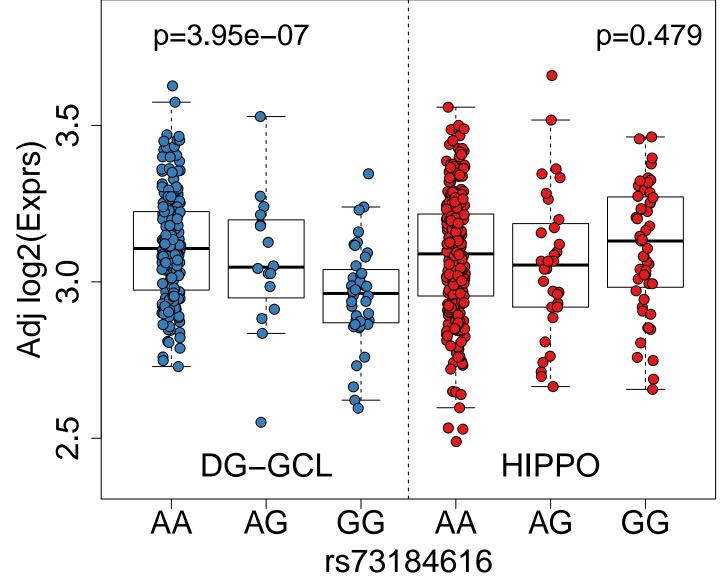


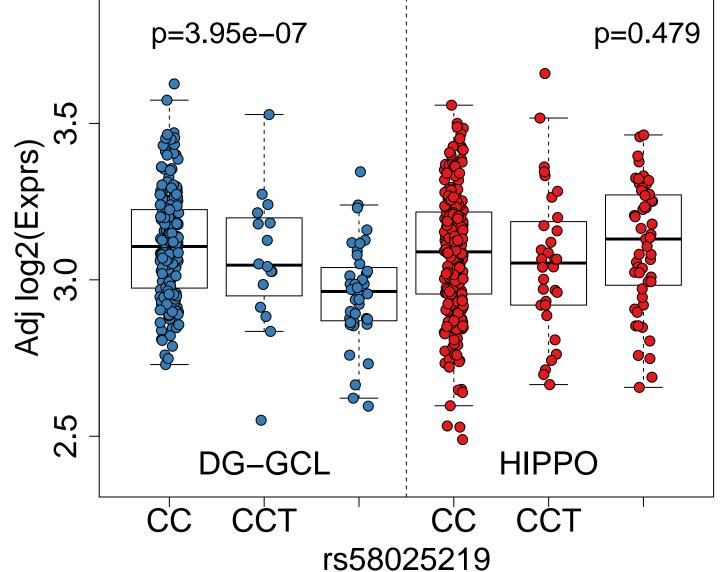
Index: rs2410572 (R^2=0.968) ENSE00002097299.1: PSD3 p=3.1e-07p=0.7555.5 Adj log2(Exprs) DG-GCL **HIPPO** CG CC CC GG GG CG rs13281280

Index: rs2410572 (R^2=0.968) ENSE00002133383.1: PSD3 p=3.12e-07p=0.7565.5 Adj log2(Exprs) 4.5 5.0 DG-GCL **HIPPO** CC CC CG GG GG CG rs13281280



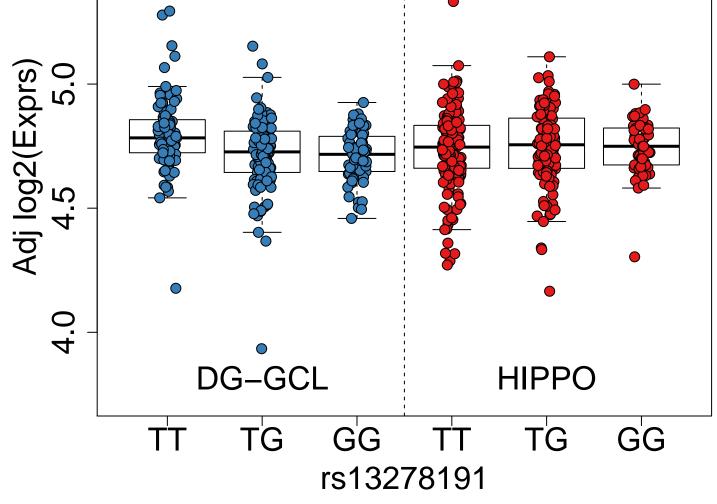




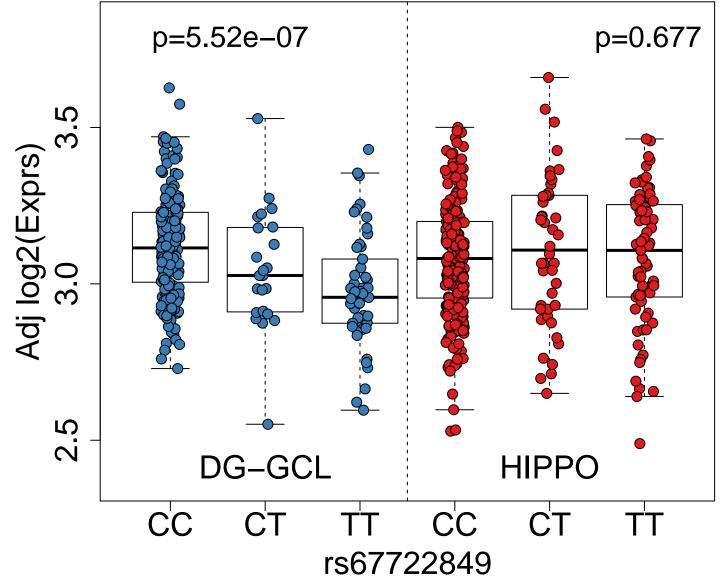


Index: rs2410572 (R^2=0.993) ENSE00001249934.8: PSD3 5.5 p=5.49e-07p=0.743Adj log2(Exprs) DG-GCL **HIPPO** GG TG GG TG rs13278191

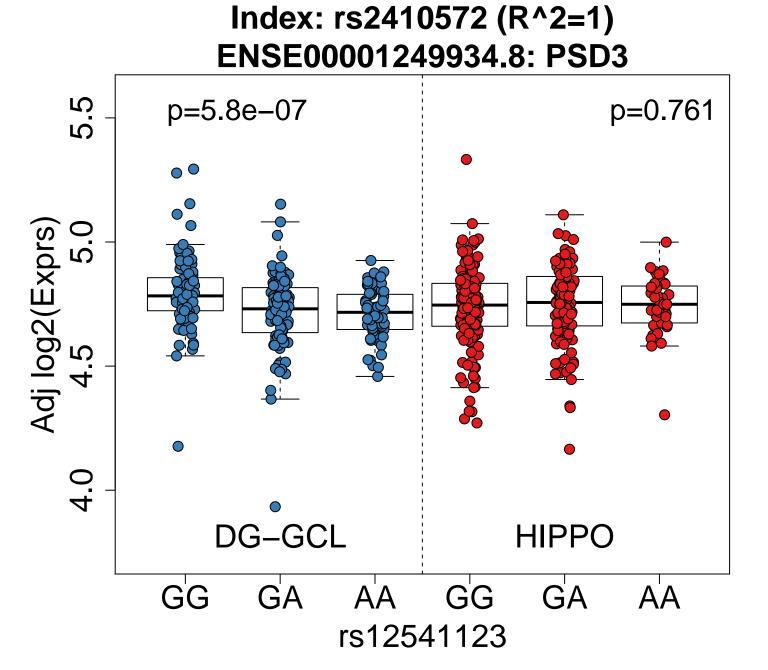
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5.5

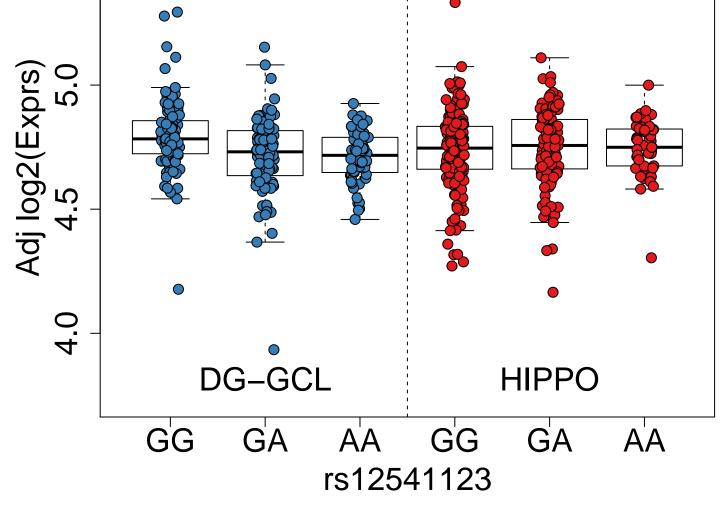


Index: rs2410572 (R^2=0.993) ENSE00001249934.8: PSD3 5.5 p=5.79e-07p=0.761Adj log2(Exprs) DG-GCL **HIPPO** CCAC CC CCACCA CC rs10556126

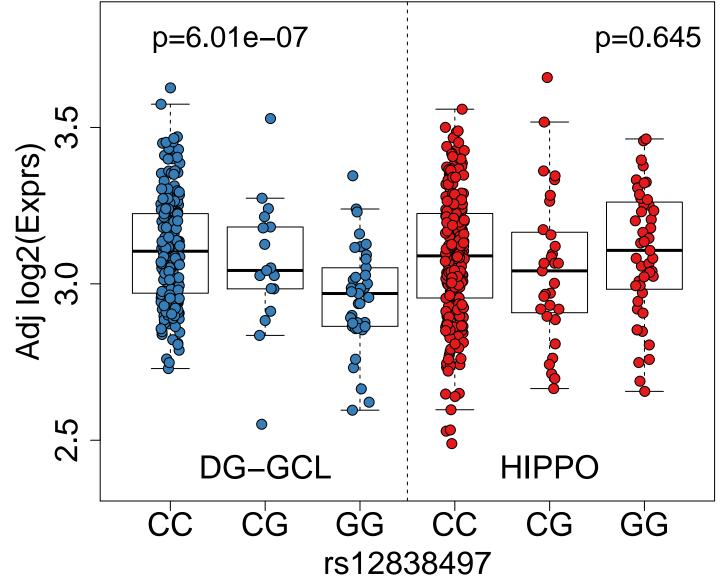


Index: rs2410572 (R^2=0.993) ENSE00001801145.2: PSD3 5.5 p=5.8e-07p=0.761Adj log2(Exprs) DG-GCL **HIPPO** CCAC CC CCACCA CC rs10556126

Index: rs2410572 (R^2=1) ENSE00001801145.2: PSD3 p=5.8e-07p=0.761



5.5



Index: rs2410572 (R^2=0.993) ENSE00003721697.1: PSD3 p=7.97e-07p=0.8835.5 Adj log2(Exprs) DG-GCL **HIPPO** GG TG GG TG rs13278191

Index: rs2410572 (R^2=1) ENSE00003721697.1: PSD3 p=8.34e-07p=0.8985.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** GG GA GG GA AA rs12541123

Index: rs2410572 (R^2=0.993) ENSE00003721697.1: PSD3 p=8.37e-07p=0.8985.5 Adj log2(Exprs) 4.5 5.0 DG-GCL **HIPPO** CCACCA CCAC CC CC rs10556126

Index: rs12704290 (R^2=0.817) ENSE00001621224.2: GRM3 p=9.93e-07p=0.6783.5 Adj log2(Exprs) 2.5 3.0 3 DG-GCL **HIPPO** TC TC rs6943762

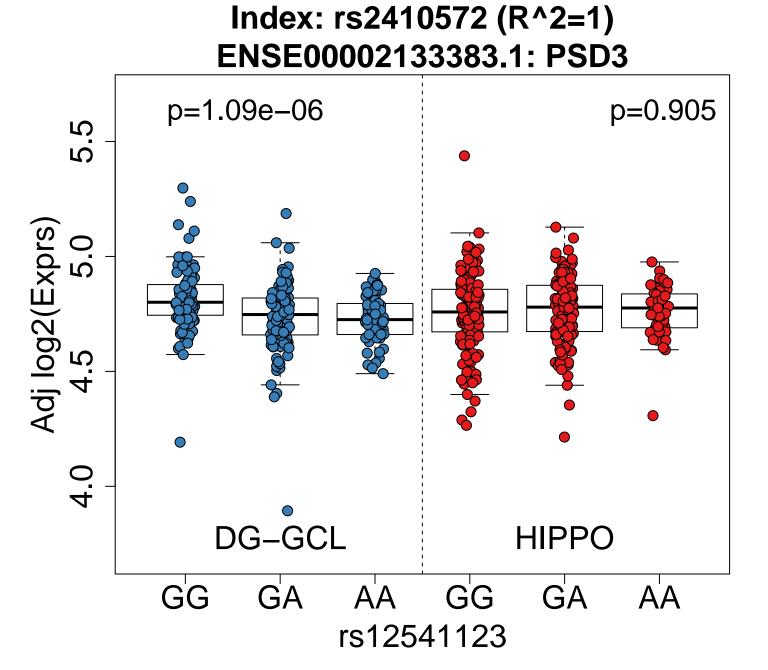
Index: rs2410572 (R^2=0.993) ENSE00002097299.1: PSD3 p=1.04e-06p = 0.895.5 Adj log2(Exprs) DG-GCL **HIPPO** GG TG GG TG rs13278191

Index: rs2410572 (R^2=0.993) ENSE00002133383.1: PSD3 p=1.05e-06p=0.8895.5 Adj log2(Exprs) DG-GCL **HIPPO** GG TG GG TG rs13278191

Index: rs2410572 (R^2=0.968) ENSG00000156011.16: PSD3 p=1.07e-06p=0.727Adj log2(Exprs) DG-GCL **HIPPO** 4.5 CC CC GG CG CG GG rs13281280

Index: rs2410572 (R^2=1) ENSE00002097299.1: PSD3 p=1.09e-06p=0.9065.5 Adj log2(Exprs) 4.5 DG-GCL **HIPPO** GG GA GG GA AA rs12541123

Index: rs2410572 (R^2=0.993) ENSE00002097299.1: PSD3 p=1.09e-06p=0.9065.5 Adj log2(Exprs) 4.5 5.0 DG-GCL **HIPPO** CCACCA CCAC CC CC rs10556126

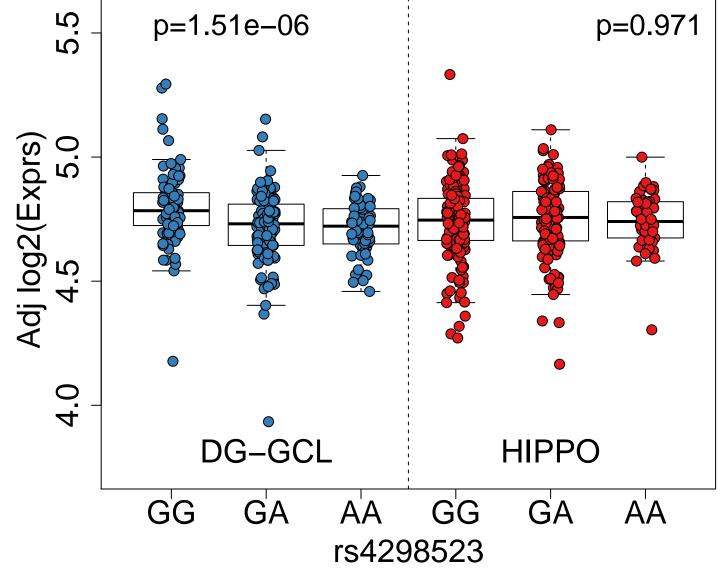


Index: rs2410572 (R^2=0.993) ENSE00002133383.1: PSD3 p=1.1e-06p=0.9055.5 Adj log2(Exprs) 4.5 5.0 DG-GCL **HIPPO** CCAC CC CCACCA CC rs10556126

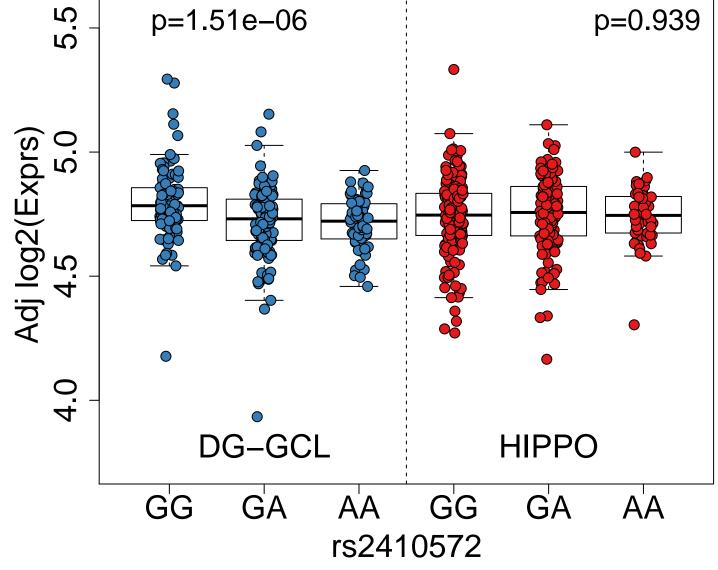
Index: rs2410572 (R^2=0.993) ENSE00001249934.8: PSD3 5.5 p=1.51e-06p=0.971Adj log2(Exprs) DG-GCL **HIPPO** GG GA GG GA rs4298523

Index: rs2410572 (R^2=1) ENSE00001249934.8: PSD3 5.5 p=1.51e-06p=0.938Adj log2(Exprs) DG-GCL **HIPPO** AAGG GA AA GG GA rs2410572

Index: rs2410572 (R^2=0.993) ENSE00001801145.2: PSD3



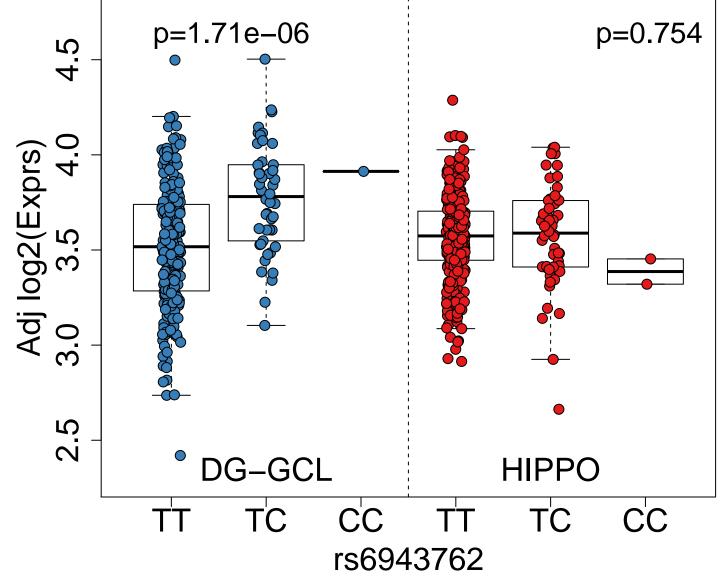
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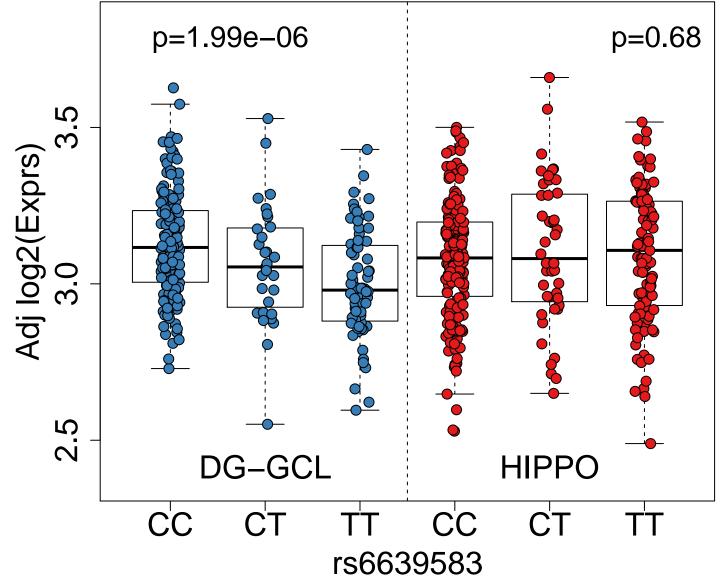
Index: rs324015 (R^2=1) ENSE00001274056.4: MARS 5.5 p=1.63e-06p=0.931Adj log2(Exprs) 3.5 4.0 4.5 3.0 5 DG-GCL **HIPPO** CC

rs324015

Index: rs12704290 (R^2=0.817) ENSE00001691302.1: GRM3



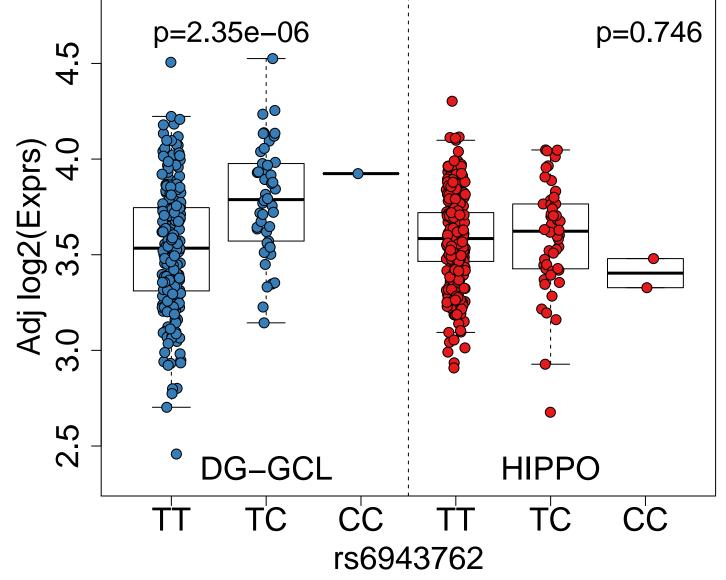
Index: rs12009217 (R^2=0.809) ENSE00001845879.1: NLGN4X

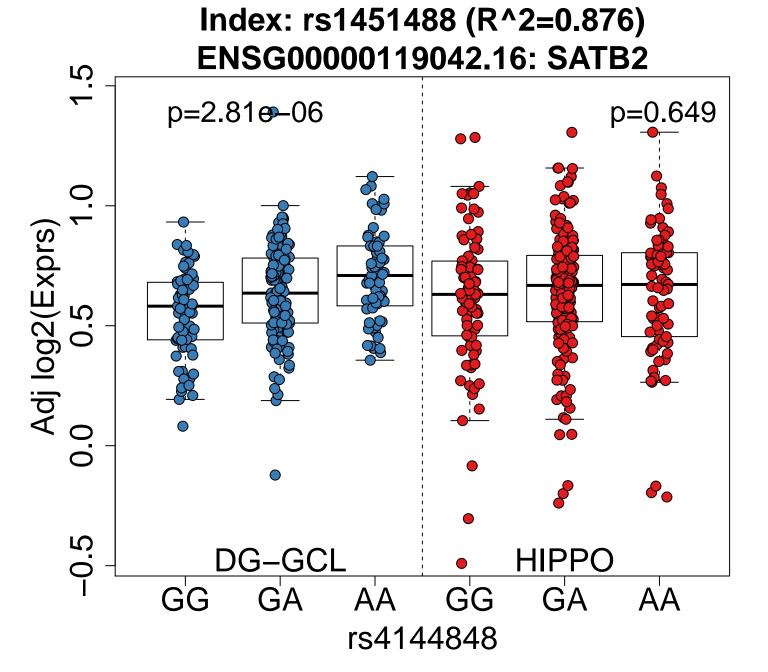


Index: rs2410572 (R^2=0.993) ENSE00003721697.1: PSD3 p=2.3e-06p=0.8985.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** GG GA AA GG GA rs4298523

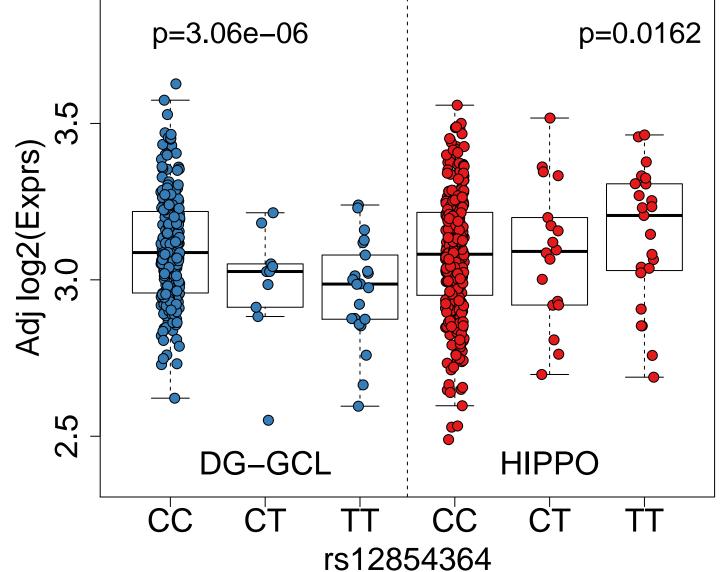
Index: rs2410572 (R^2=1) ENSE00003721697.1: PSD3 p=2.3e-06p=0.9455.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** GG GA AA GG GA rs2410572

Index: rs12704290 (R^2=0.817) ENSE00001750997.1: GRM3

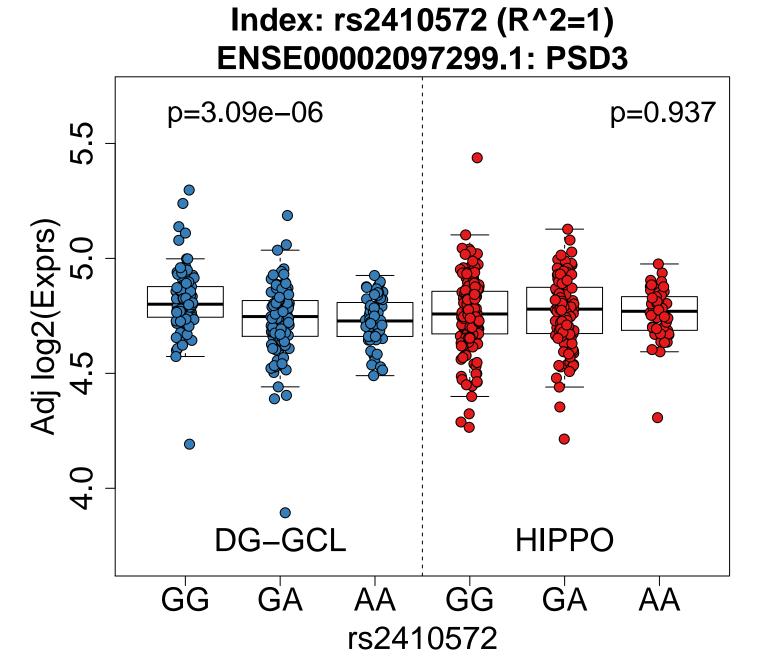




Index: rs12009217 (R^2=0.958) ENSE00001845879.1: NLGN4X



Index: rs2410572 (R^2=0.993) ENSE00002097299.1: PSD3 p=3.09e-06p=0.8885.5 Adj log2(Exprs) 4.5 DG-GCL **HIPPO** GG GA AA GG GA rs4298523



Index: rs2410572 (R^2=0.993) ENSE00002133383.1: PSD3 p=3.11e-06p=0.8895.5 Adj log2(Exprs) 4.5 DG-GCL **HIPPO** GG GA AA GG GA rs4298523

Index: rs2410572 (R^2=1) ENSE00002133383.1: PSD3 p=3.11e-06 p=0.9385.5 Adj log2(Exprs) 4.5 DG-GCL **HIPPO** GG GA AA GG GA rs2410572

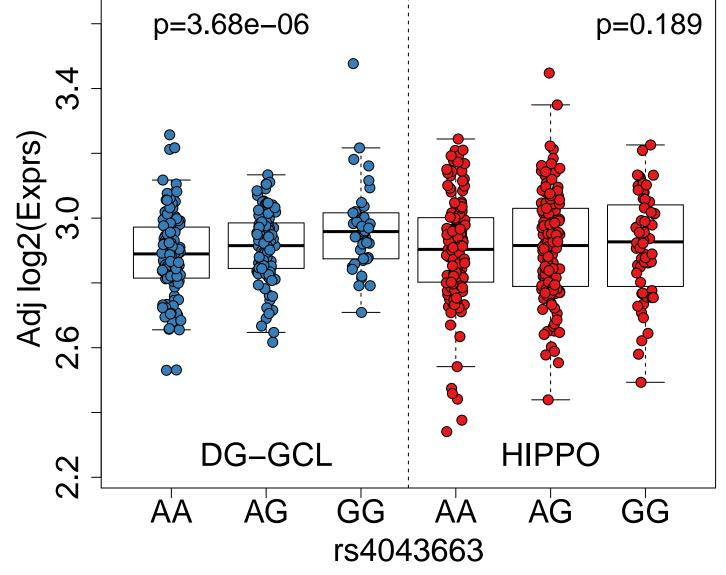
Index: rs7010876 (R^2=0.848) ENSE00001260017.7: MMP16 p=3.23e-06p=0.221Adj log2(Exprs) 1.6 2.0 DG-GCL **HIPPO** GΑ GG GΑ AA GG rs10955556

Index: rs12704290 (R^2=0.817) ENST00000361669.6: GRM3 p=3.23e-06 p=0.8764.5 Adj log2(Exprs) 2.5 DG-GCL **HIPPO** TC CCTC rs6943762

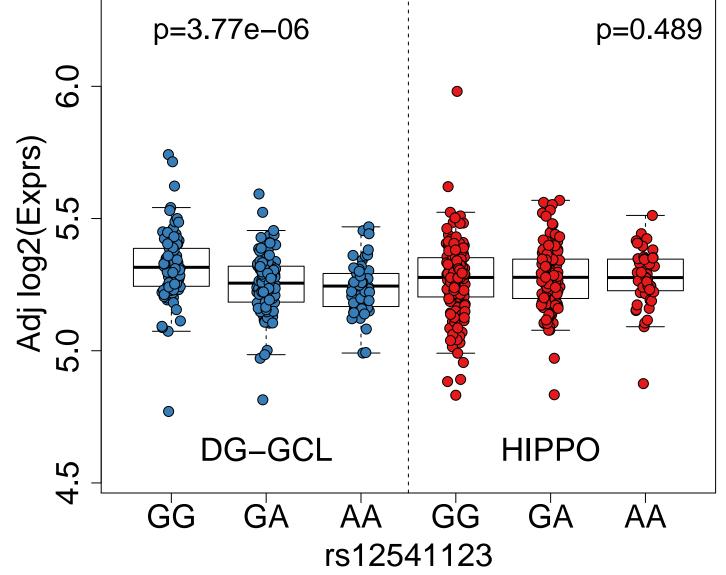
Index: rs7010876 (R^2=0.843) ENSE00001260017.7: MMP16 p=3.31e-06p=0.193Adj log2(Exprs) 1.6 2.0 DG-GCL **HIPPO** CC rs1915018

Index: rs2410572 (R^2=0.993) ENSG00000156011.16: PSD3 p=3.59e-06p=0.481Adj log2(Exprs) DG-GCL **HIPPO** 4.5 GG TG GG TG rs13278191

Index: rs7010876 (R^2=0.843) ENSG00000156103.15: MMP16



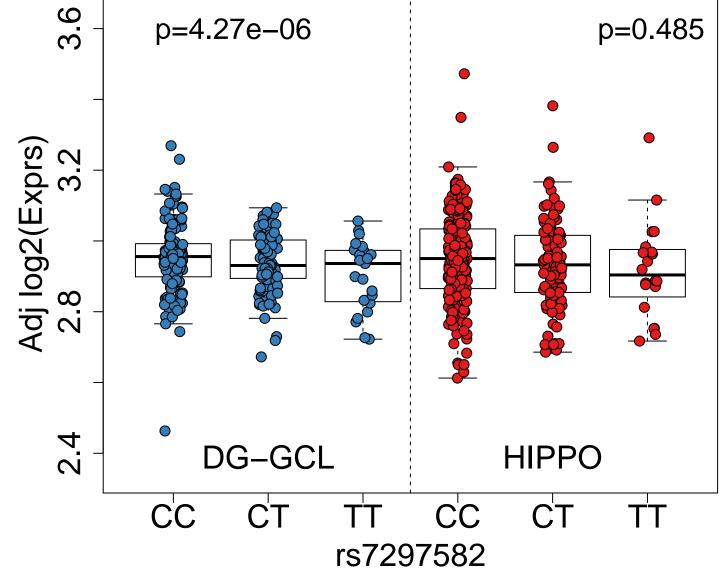
Index: rs2410572 (R^2=1) ENSG00000156011.16: PSD3



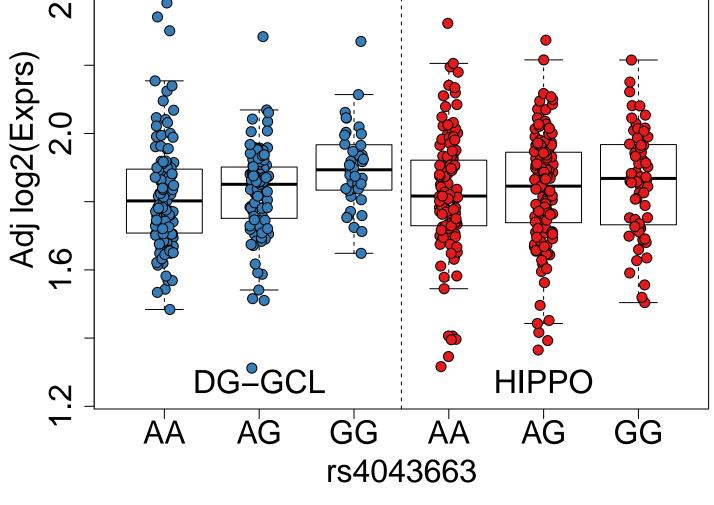
Index: rs2410572 (R^2=0.993) ENSG00000156011.16: PSD3 p=3.78e-06p=0.489Adj log2(Exprs) DG-GCL **HIPPO** CCAC CC CCACCA CC rs10556126

Index: rs7010876 (R^2=0.843) ENSE00001260017.7: MMP16 p=3.82e-06p=0.0844Adj log2(Exprs) 1.6 2.0 DG-GCL **HIPPO** CC CA AA rs10955542

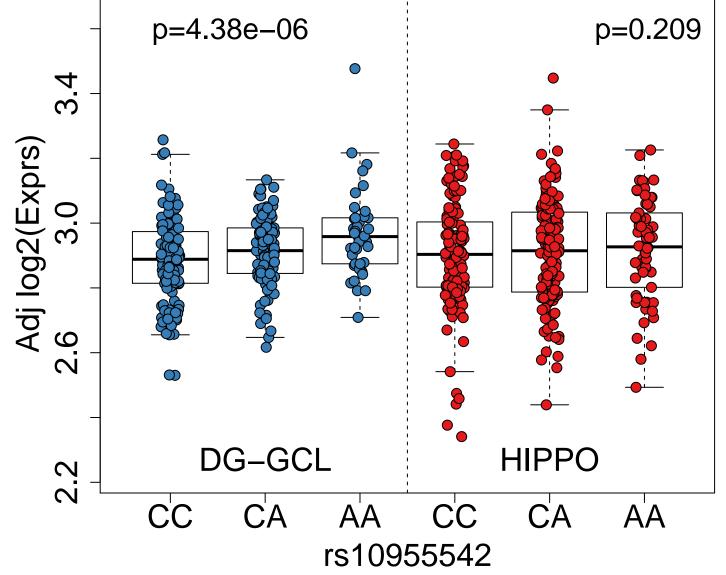
Index: rs2007044 (R^2=0.846) ENSG00000151067.21: CACNA1C p=4.27e-06

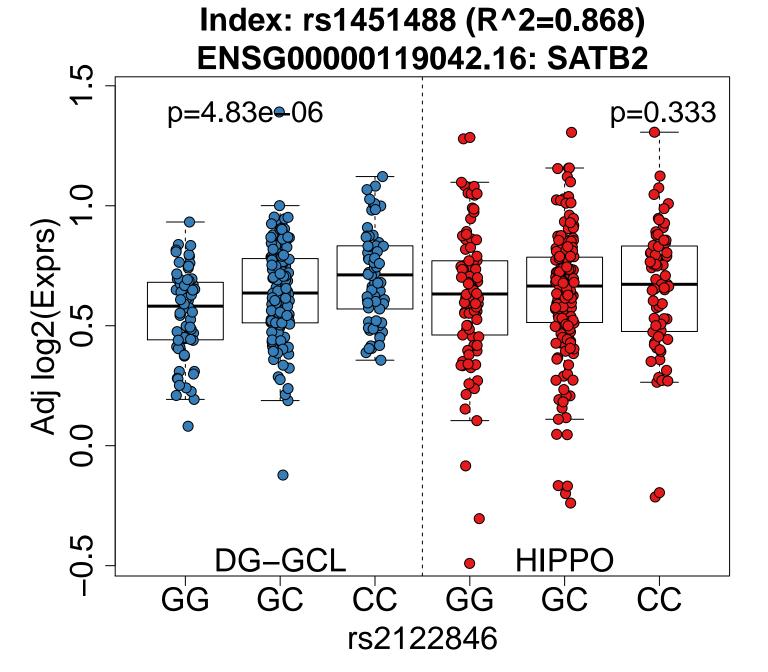


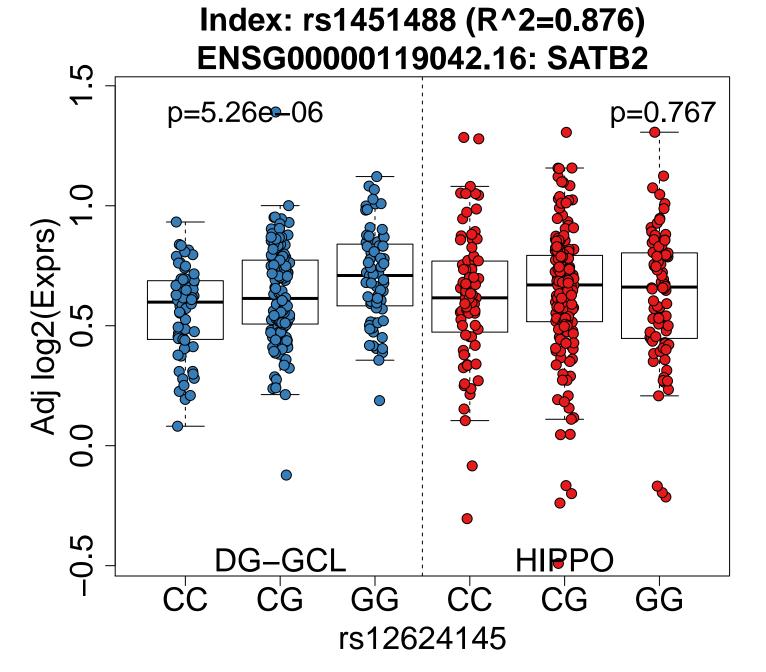
Index: rs7010876 (R^2=0.843) ENSE00001260017.7: MMP16 p=4.37e-06p=0.0748



Index: rs7010876 (R^2=0.843) ENSG00000156103.15: MMP16





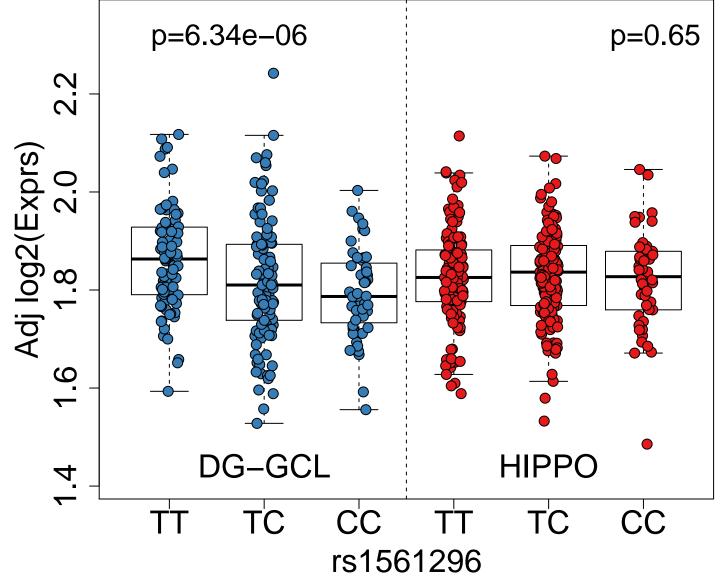


Index: rs12009217 (R^2=0.974) ENSG00000146938.14: NLGN4X 4.2 p=6.23e-06p=0.793Adj log2(Exprs) 1 3.6 3.8 ⁴ DG-GCL **HIPPO** 3.2 GG GA GG GA

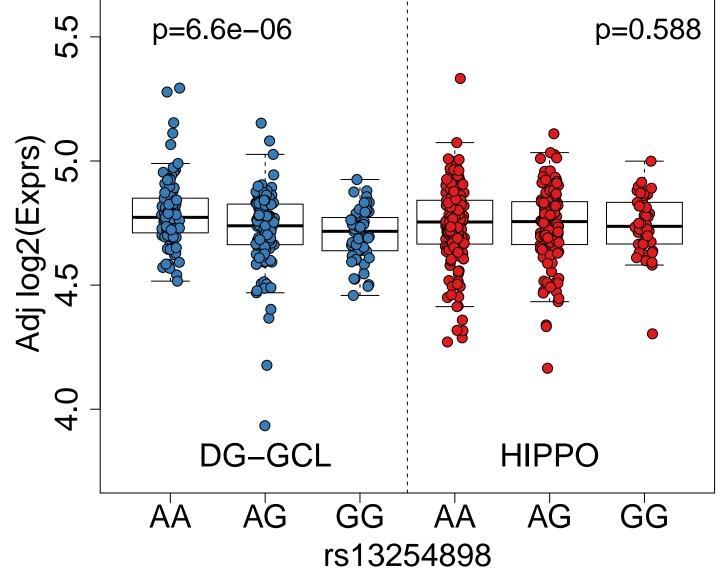
rs7052989

Index: rs7010876 (R^2=0.848) ENSE00001260017.7: MMP16 p=6.23e-06p=0.157Adj log2(Exprs) DG-GCL **HIPPO** CA C_C ΑA CA rs3844198

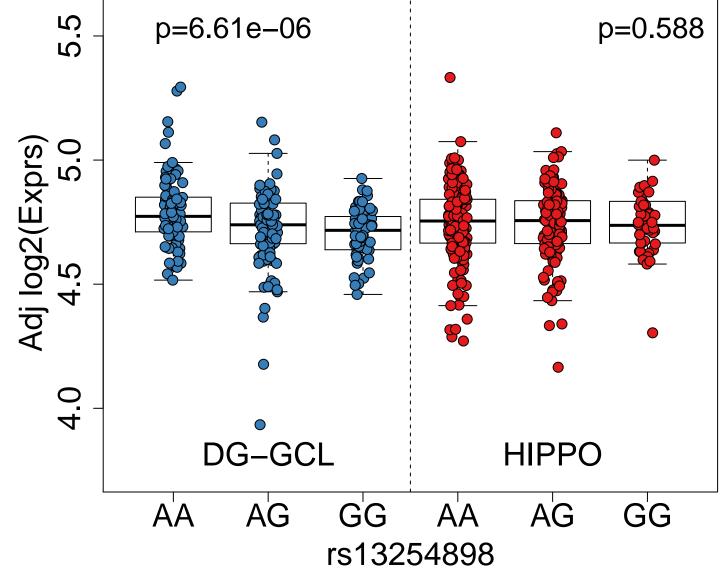
Index: rs1347692 (R^2=0.98) ENST00000478816.5: KCTD18

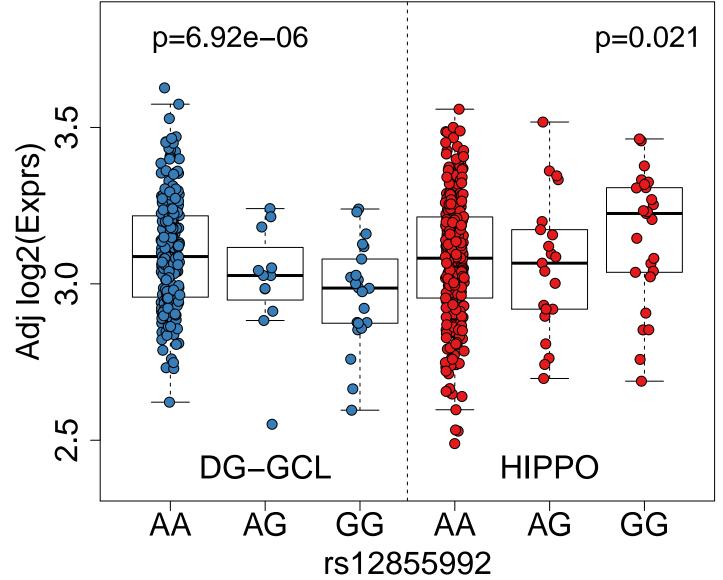


Index: rs2410572 (R^2=0.864) ENSE00001249934.8: PSD3

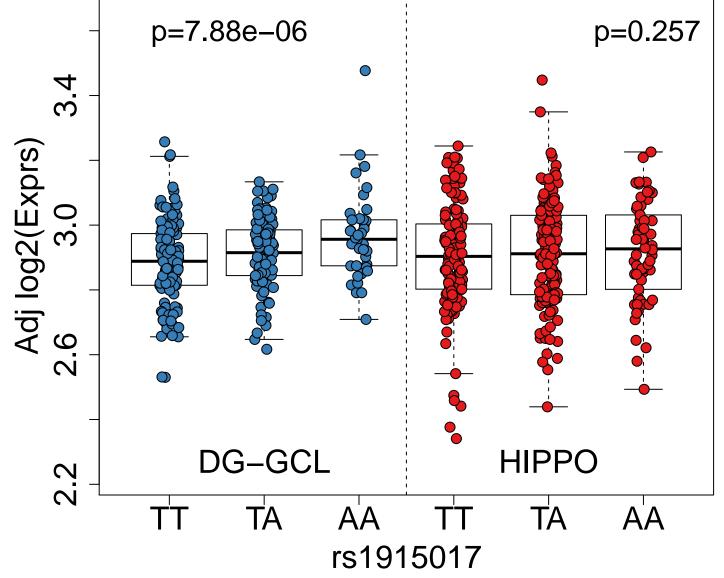


Index: rs2410572 (R^2=0.864) ENSE00001801145.2: PSD3



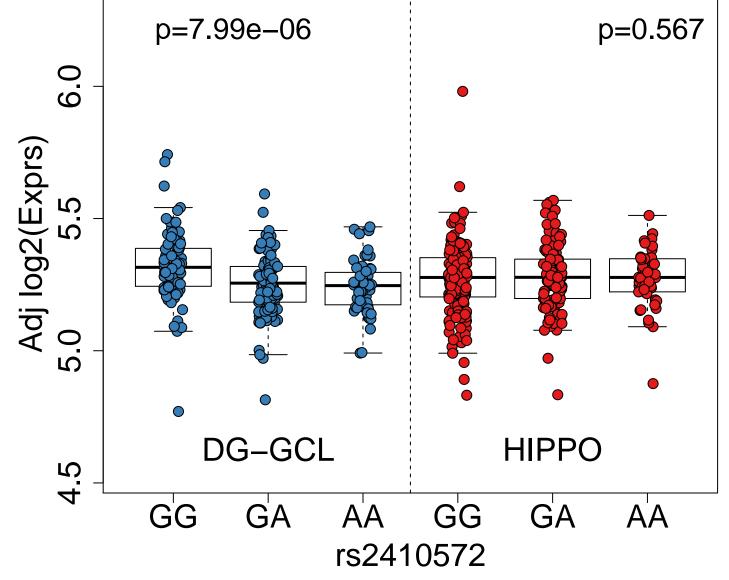


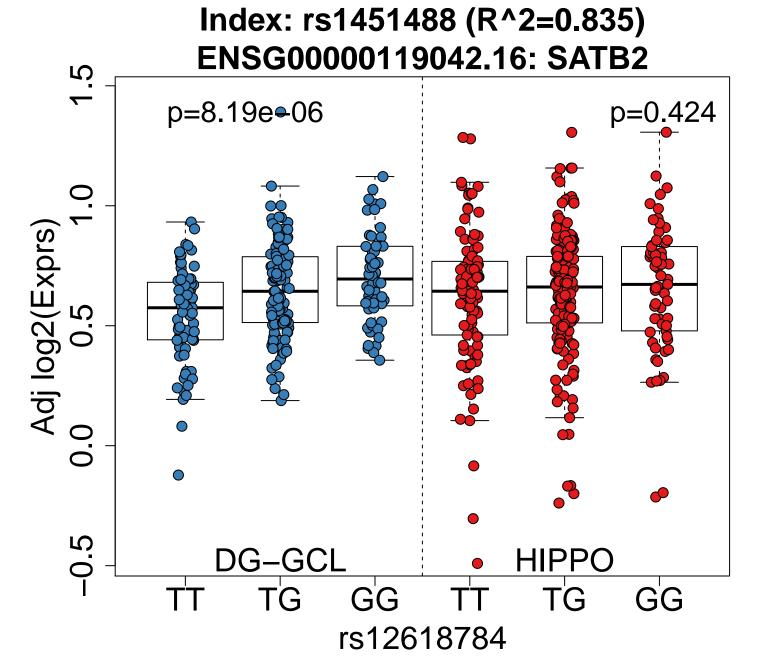
Index: rs7010876 (R^2=0.843) ENSG00000156103.15: MMP16



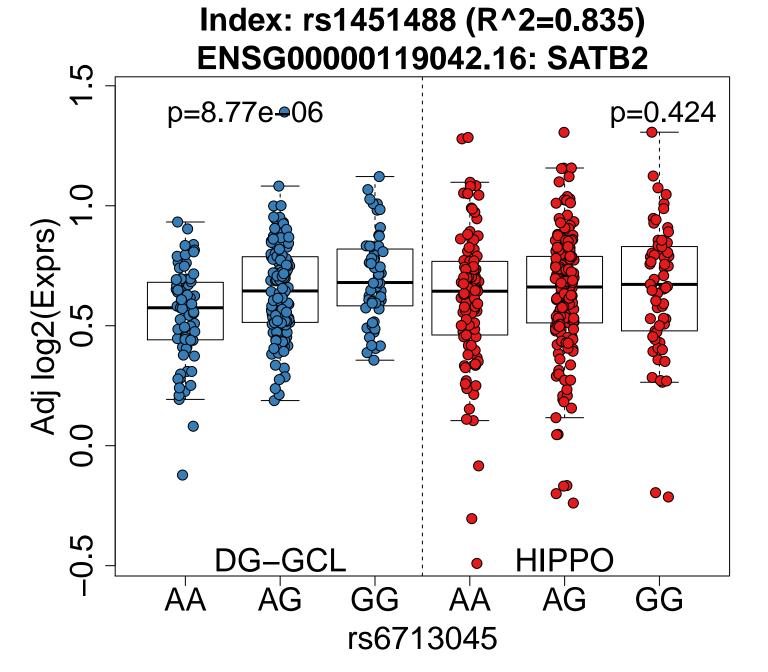
Index: rs2410572 (R^2=0.993) ENSG00000156011.16: PSD3 p=7.99e-06p=0.611Adj log2(Exprs) 5.5 DG-GCL **HIPPO** 4.5 GG GA ΑA GG GA rs4298523

Index: rs2410572 (R^2=1) ENSG00000156011.16: PSD3

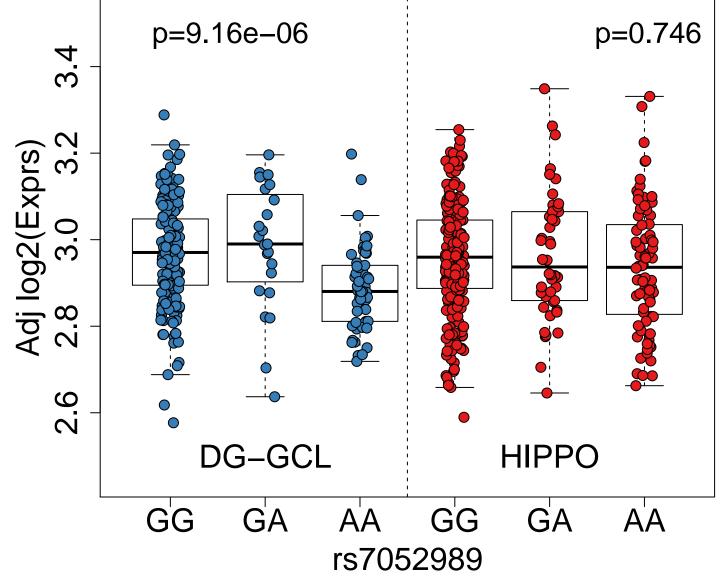




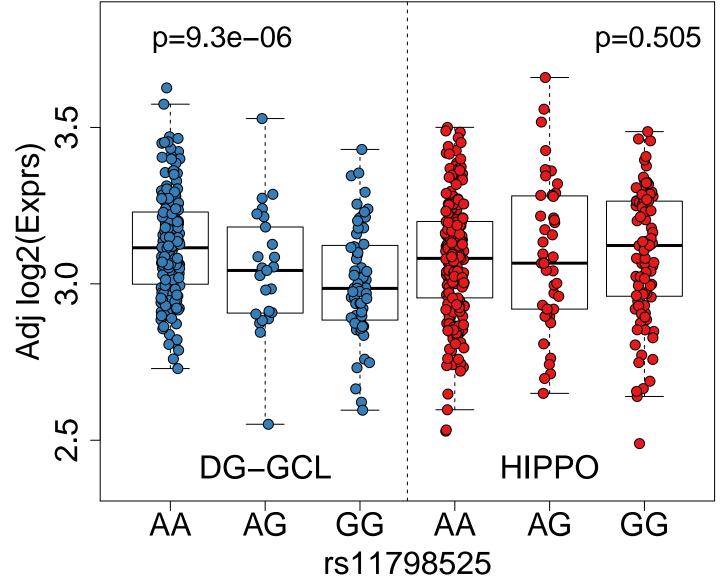
Index: rs2410572 (R^2=0.864) ENSE00003721697.1: PSD3 p=8.68e-06p=0.3985.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** GG AG AΑ GG ΑA AG rs13254898

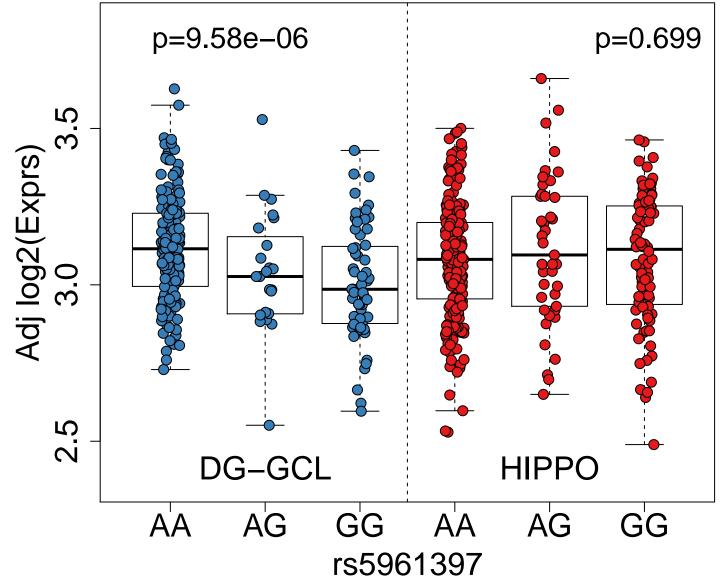


Index: rs12009217 (R^2=0.974) ENSE00001487507.3: NLGN4X

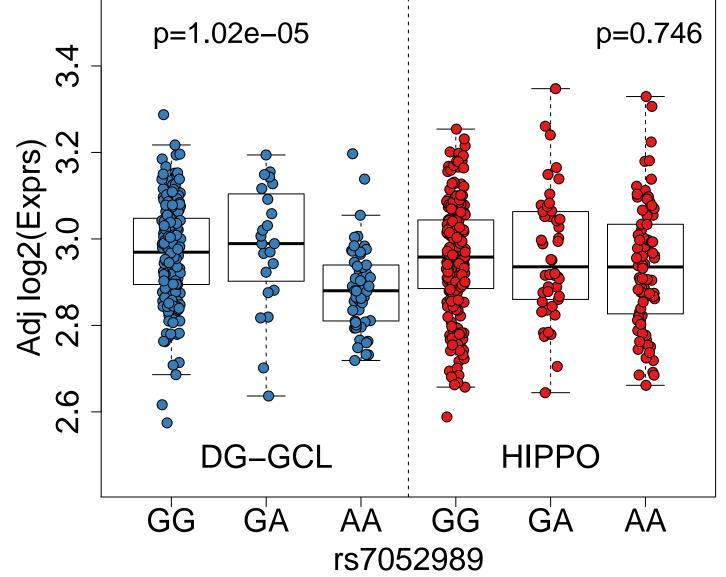


Index: rs7010876 (R^2=0.843) ENSE00001260017.7: MMP16 p=9.22e-06p=0.0945Adj log2(Exprs) 1.6 2.0 DG-GCL **HIPPO** TA AA TA rs1915017

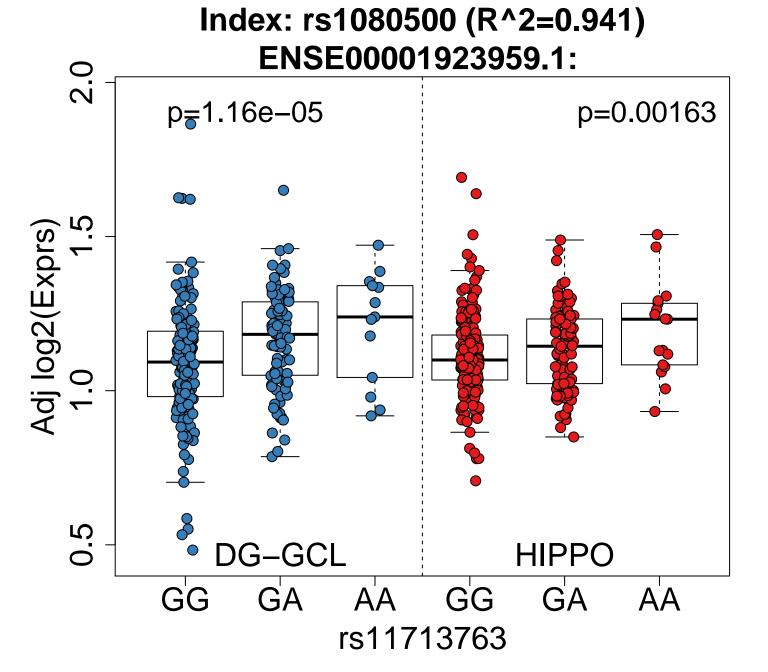




Index: rs12009217 (R^2=0.974) ENSE00001827176.1: NLGN4X

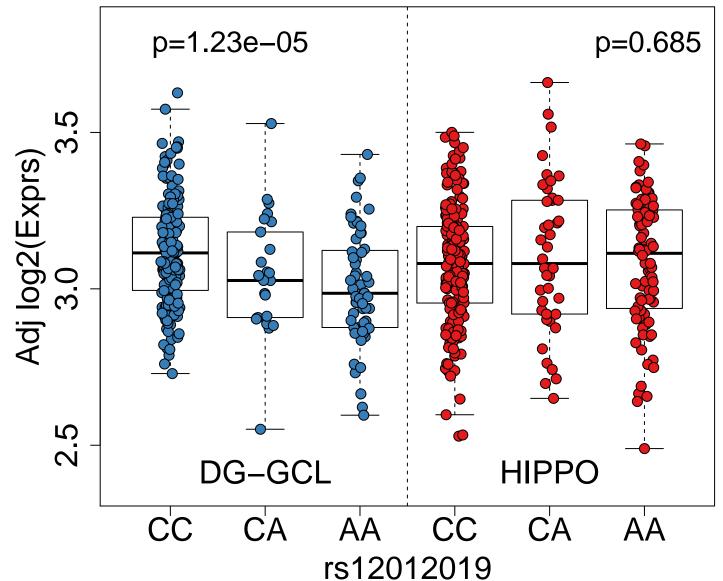


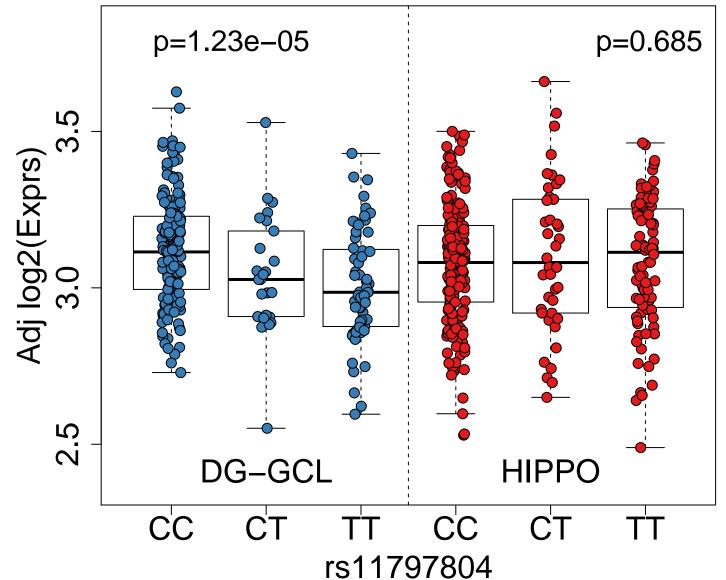
Index: rs2410572 (R^2=0.864) ENSG00000156011.16: PSD3 p=1.12e-05p=0.645Adj log2(Exprs) DG-GCL **HIPPO** 4.5 GG AAAG GG AG ΑA rs13254898

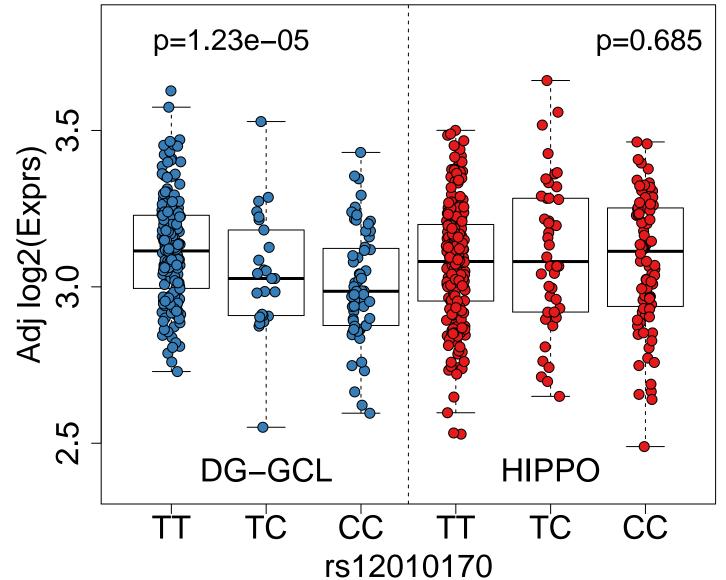


Index: rs2410572 (R^2=0.864) ENSE00002097299.1: PSD3 p=1.2e-05p=0.3925.5 Adj log2(Exprs) 4.5 DG-GCL **HIPPO** GG AΑ AG GG ΑA AG rs13254898

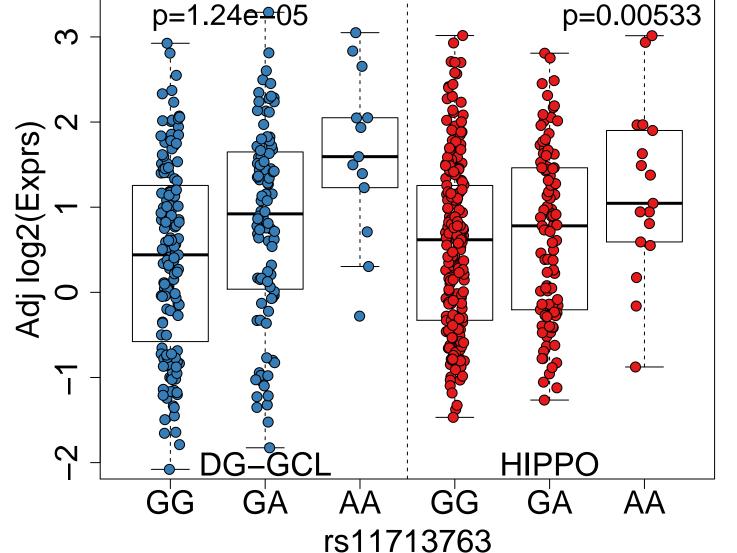
Index: rs2410572 (R^2=0.864) ENSE00002133383.1: PSD3 p=1.21e-05 p=0.3935.5 Adj log2(Exprs) 4.5 DG-GCL **HIPPO** GG AΑ AG GG ΑA AG rs13254898





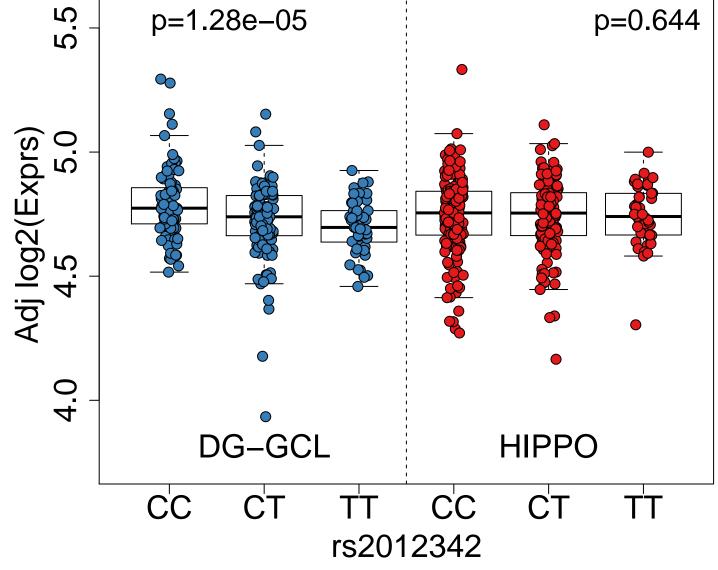


Index: rs1080500 (R^2=0.941) chr3:52830671-52831407(-): RP5-966M1.6

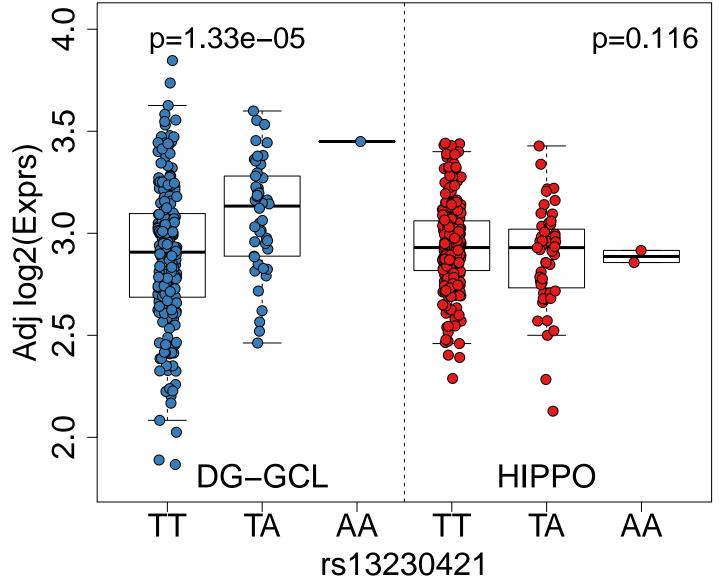


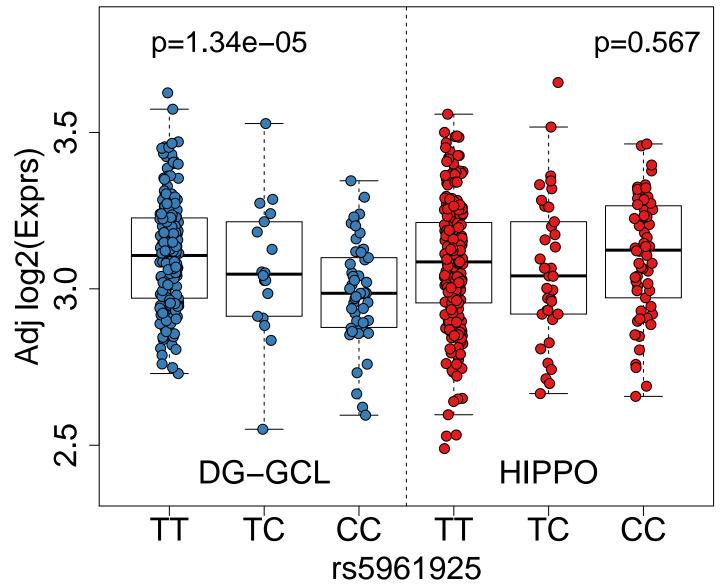
Index: rs2410572 (R^2=0.864) ENSE00001249934.8: PSD3 5.5 p=1.28e-05p=0.644Adj log2(Exprs) DG-GCL **HIPPO** CC C_C rs2012342

Index: rs2410572 (R^2=0.864) ENSE00001801145.2: PSD3 p=1.28e-05p=0.644

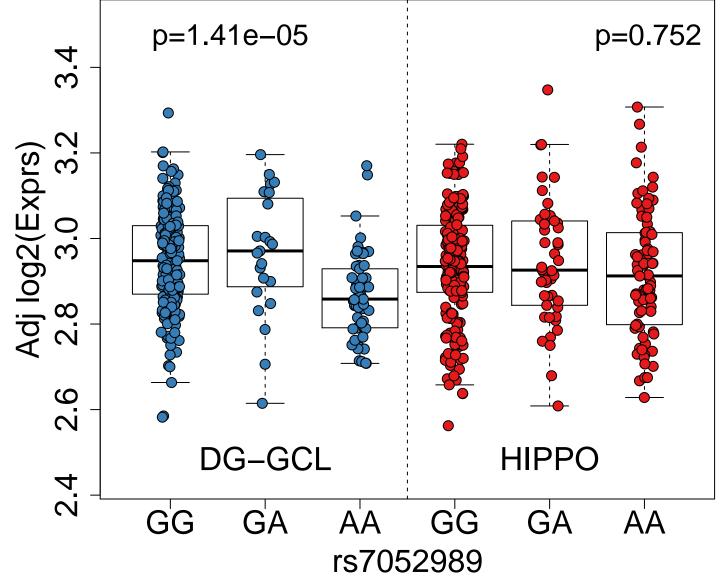


Index: rs12704290 (R^2=0.968) ENSE00001792681.1: GRM3

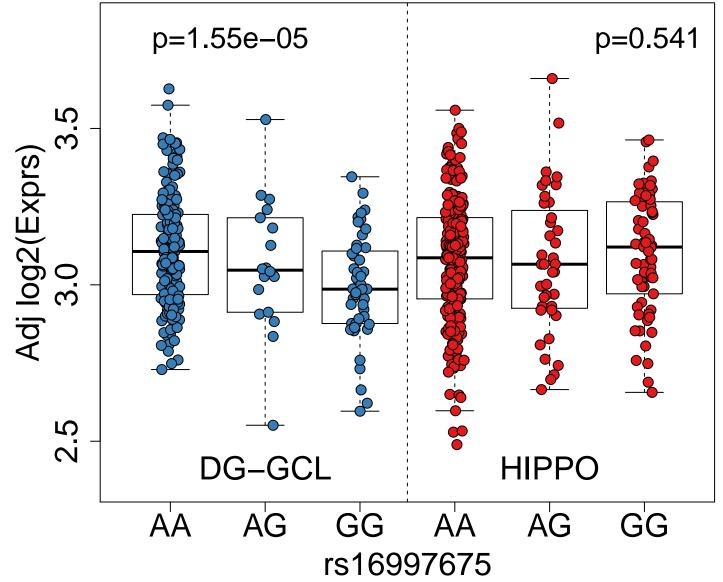




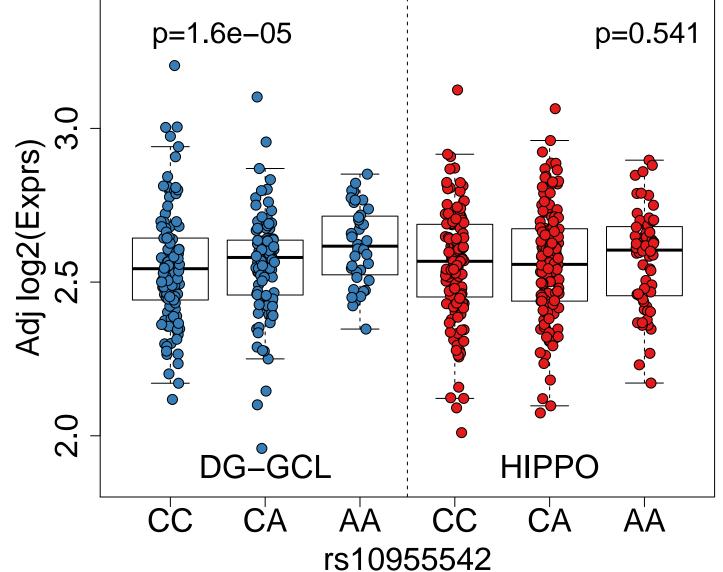
Index: rs2410572 (R^2=0.864) ENSE00003721697.1: PSD3 p=1.35e-05p=0.4045.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** CC C_C rs2012342



Index: rs2410572 (R^2=0.864) ENSG00000156011.16: PSD3 p=1.47e-05p=0.725Adj log2(Exprs) DG-GCL **HIPPO** 4.5 CC C_C rs2012342

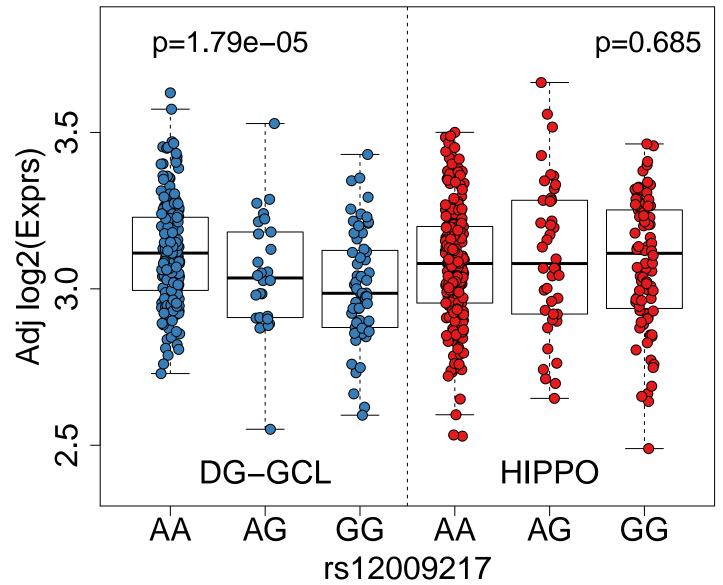


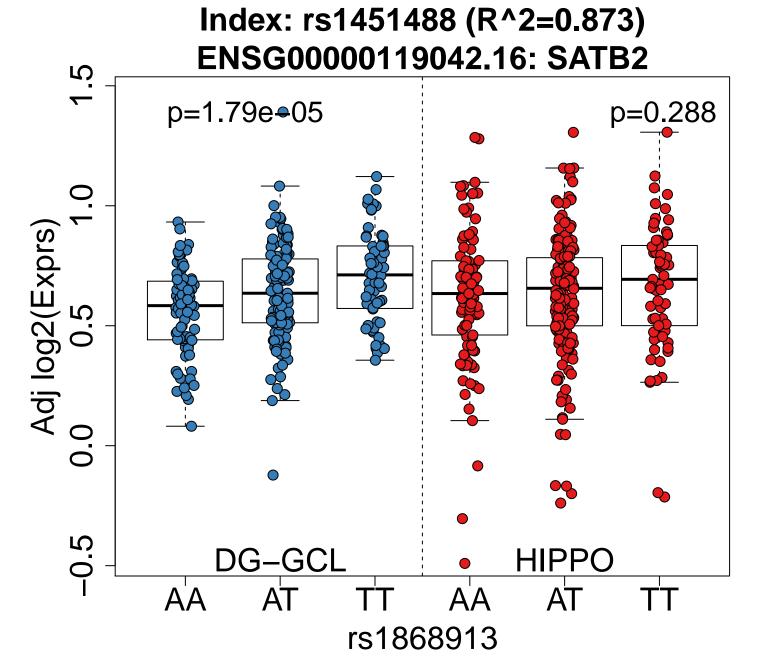
Index: rs7010876 (R^2=0.843) ENST00000286614.10: MMP16

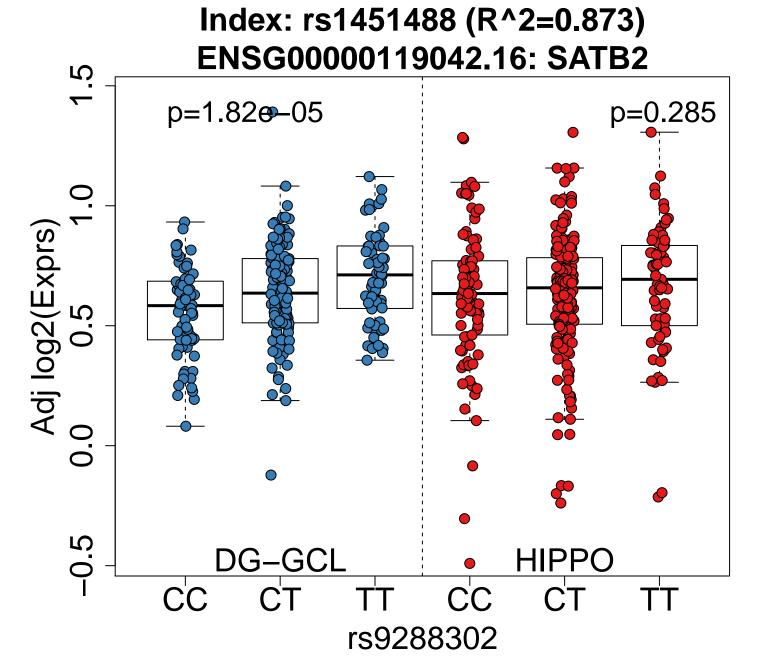


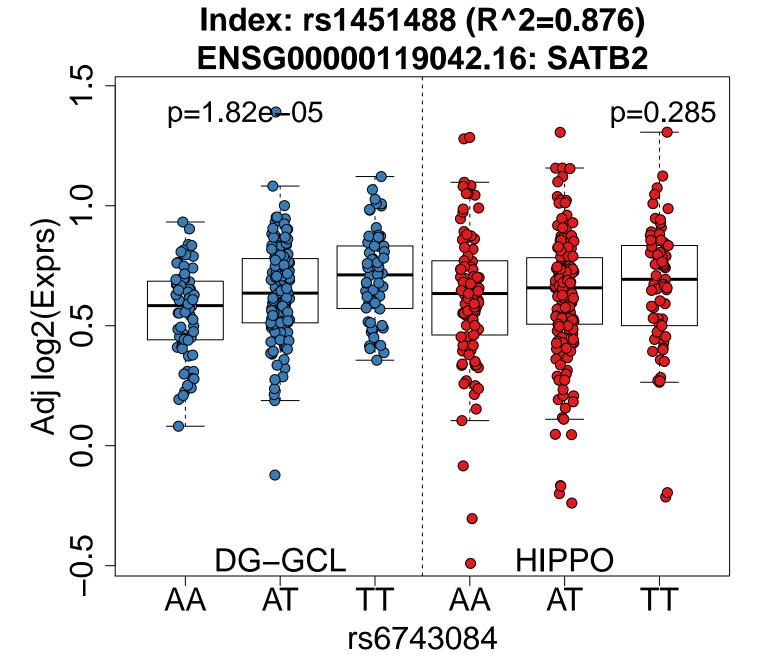
Index: rs12704290 (R^2=0.817) ENSE00001667488.1: GRM3 4.5 p=1.67e-05p = 0.77Adj log2(Exprs) 2.5 DG-GCL **HIPPO** TC TC rs6943762

Index: rs7010876 (R^2=0.803) ENSE00001260017.7: MMP16 p=1.73e-05p=0.209Adj log2(Exprs) 1.6 2.0 DG^eGCL **HIPPO** ΑΑ AA rs11986810



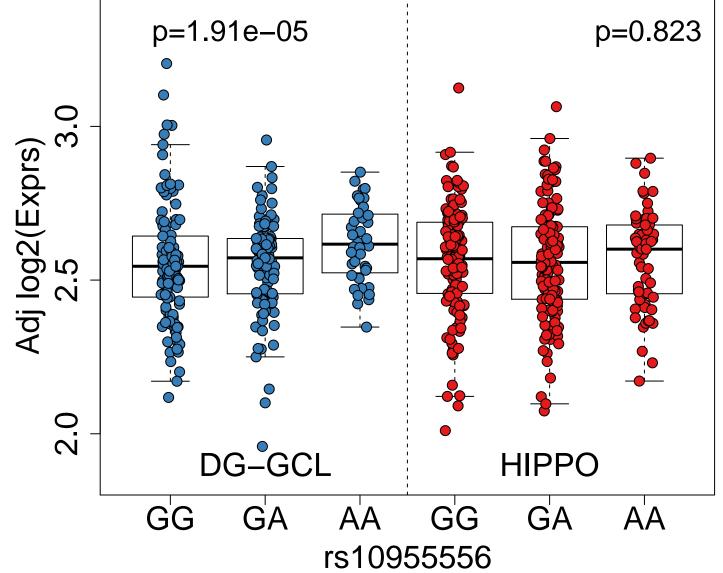




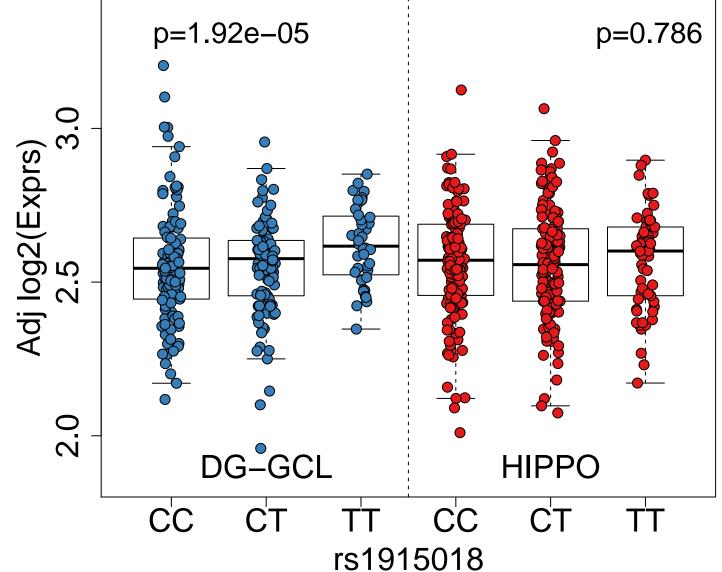


Index: rs2410572 (R^2=0.864) ENSE00002097299.1: PSD3 p=1.91e-05p=0.3955.5 Adj log2(Exprs) DG-GCL **HIPPO** CC C_C rs2012342

Index: rs7010876 (R^2=0.848) ENST00000286614.10: MMP16

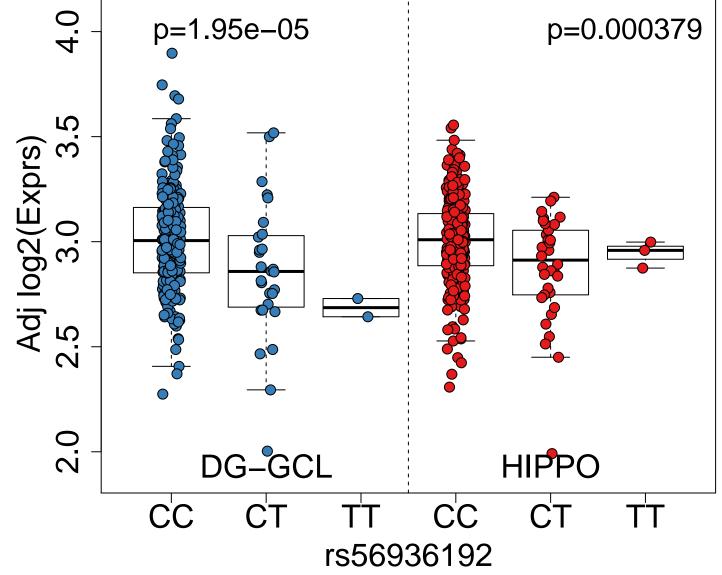


Index: rs7010876 (R^2=0.843) ENST00000286614.10: MMP16

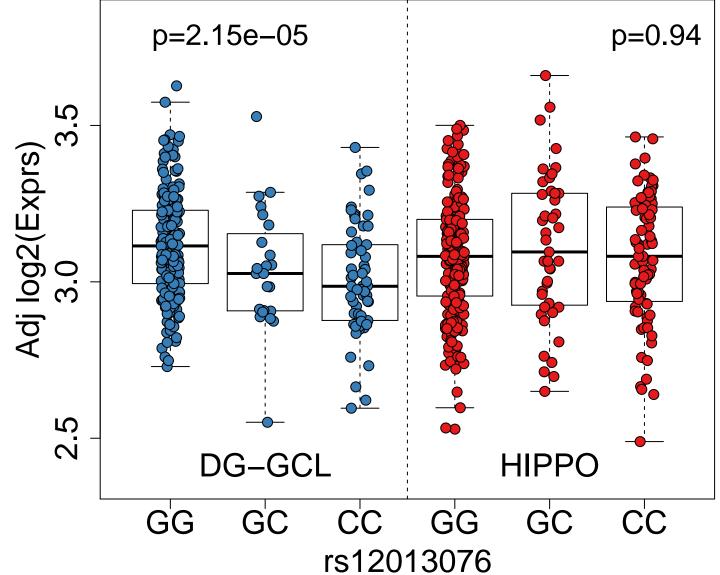


Index: rs2410572 (R^2=0.864) ENSE00002133383.1: PSD3 p=1.92e-05p=0.3955.5 Adj log2(Exprs) 4.5 DG-GCL **HIPPO** CC C_C rs2012342

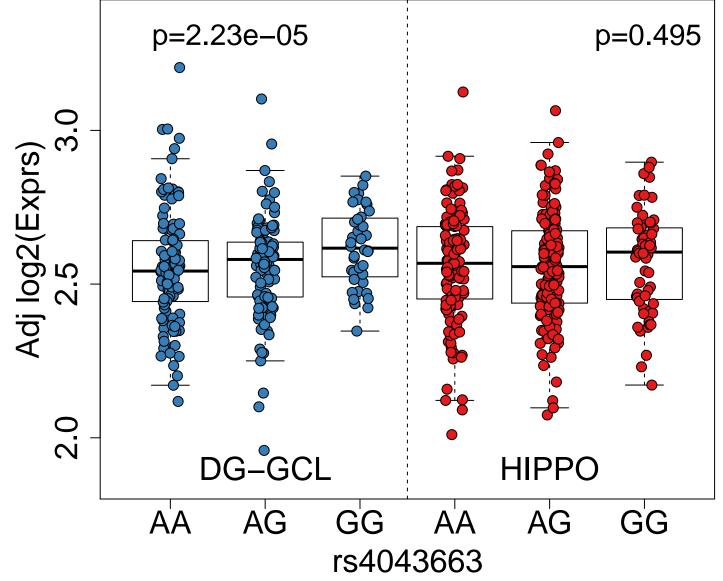
Index: rs147922658 (R^2=0.925) ENSE00001519286.1: DMTF1

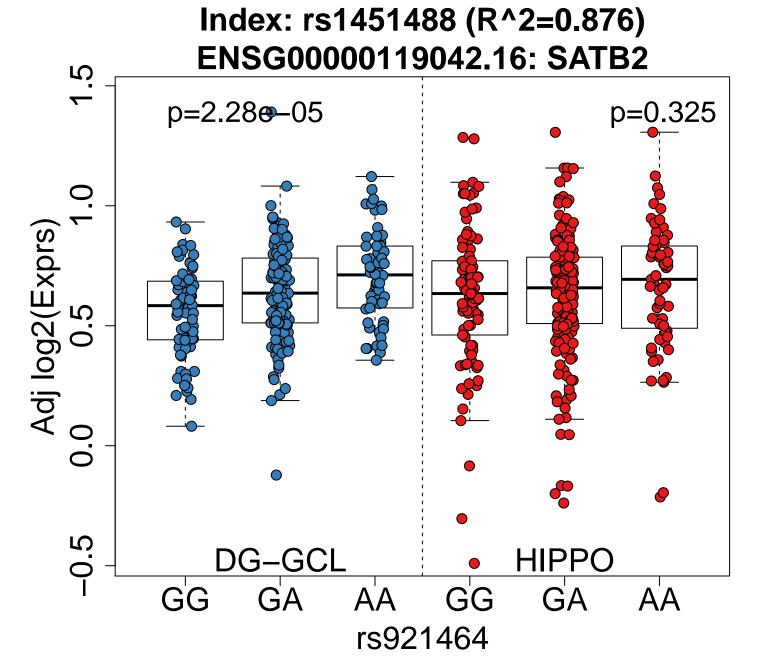


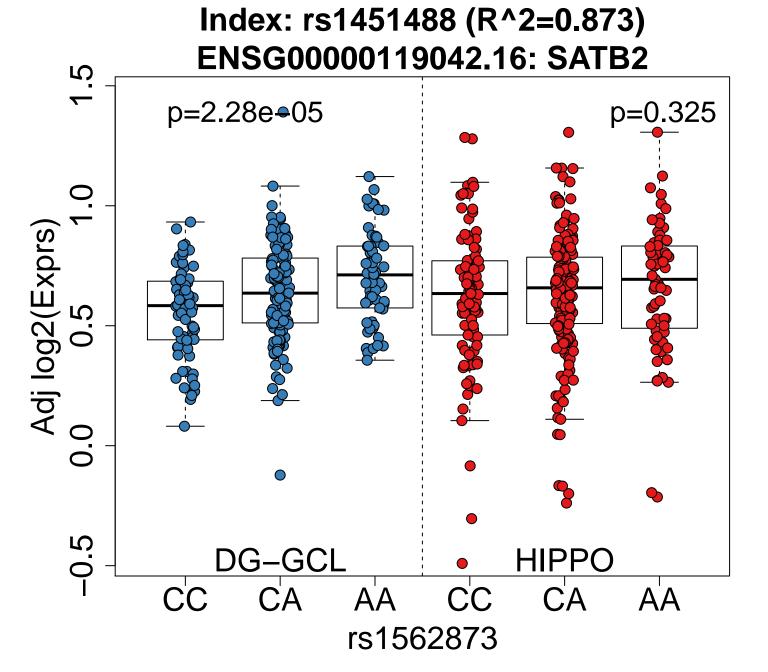
Index: rs12009217 (R^2=0.92) ENSE00001845879.1: NLGN4X

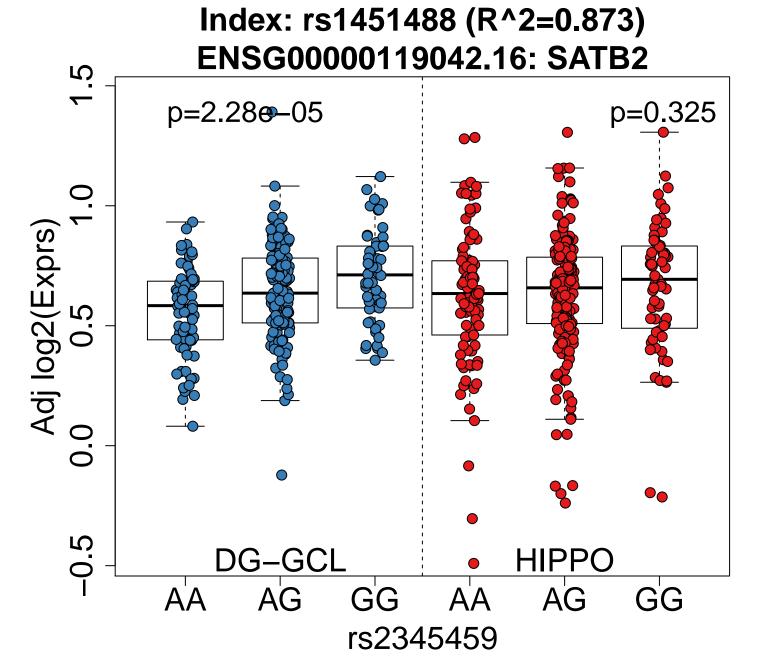


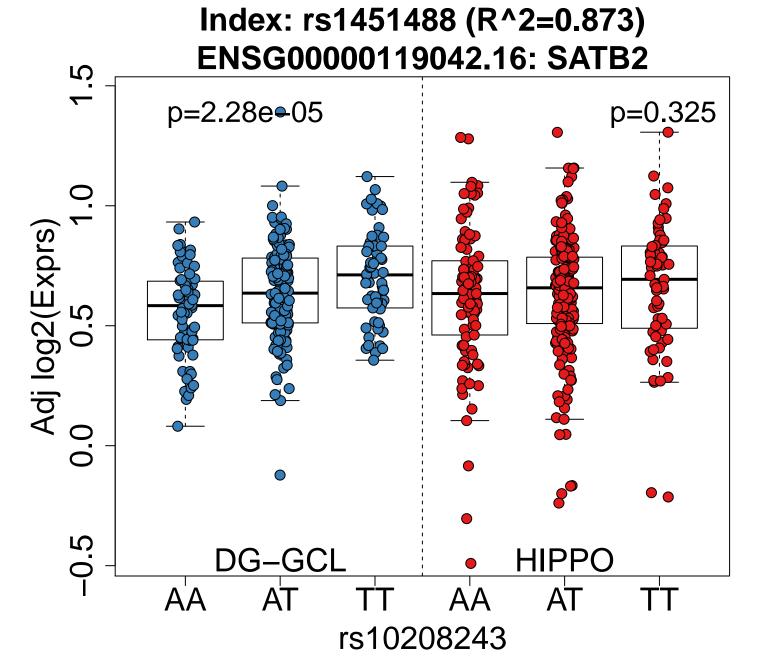
Index: rs7010876 (R^2=0.843) ENST00000286614.10: MMP16

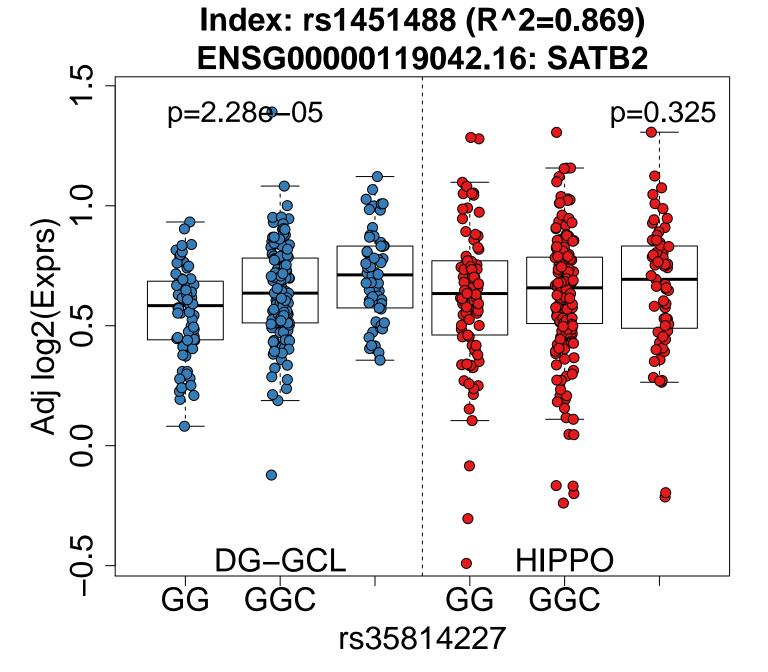


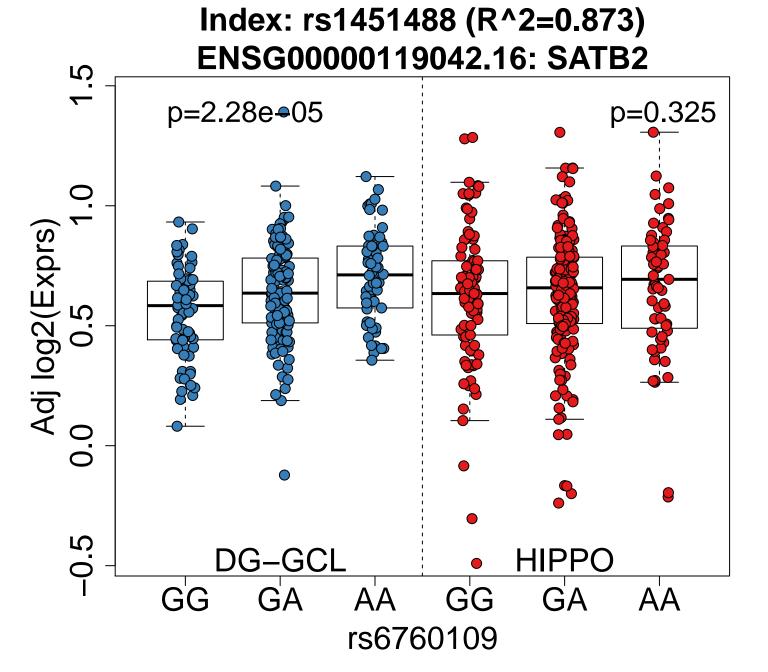


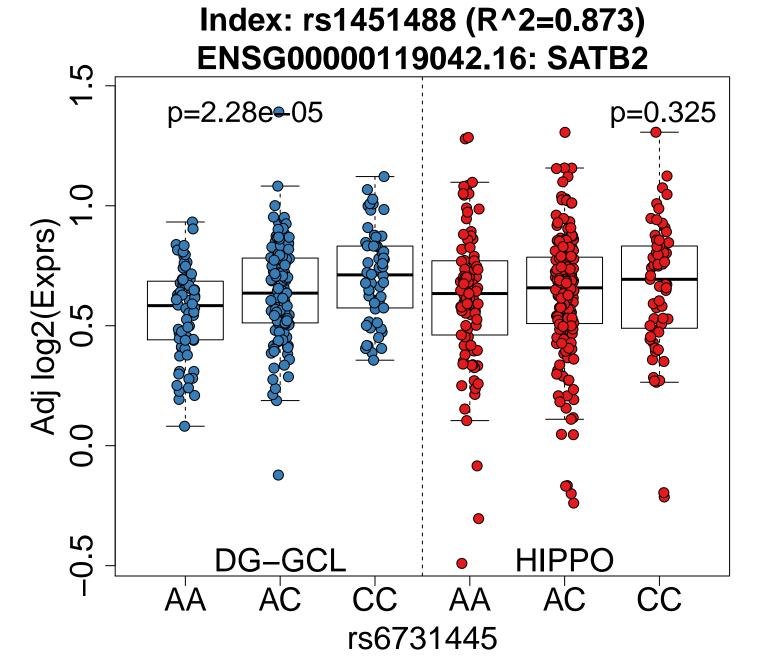


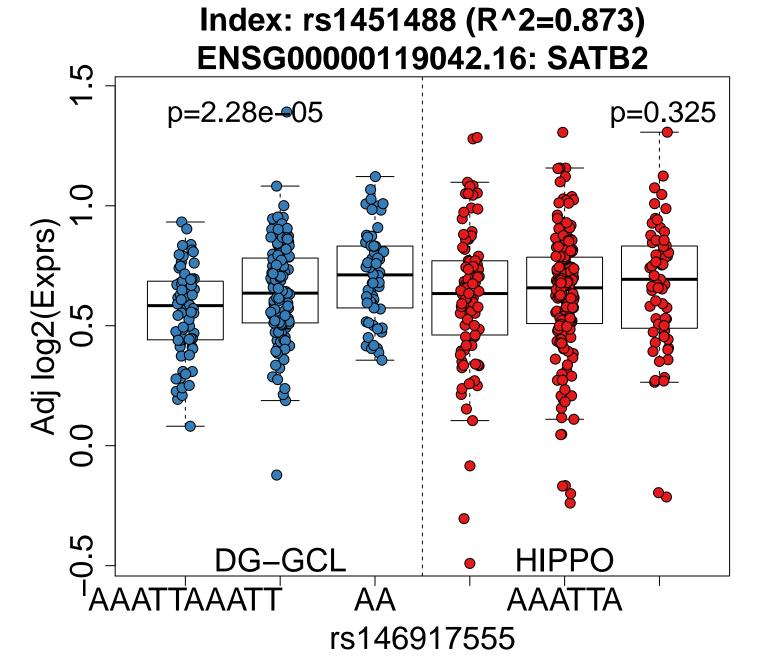


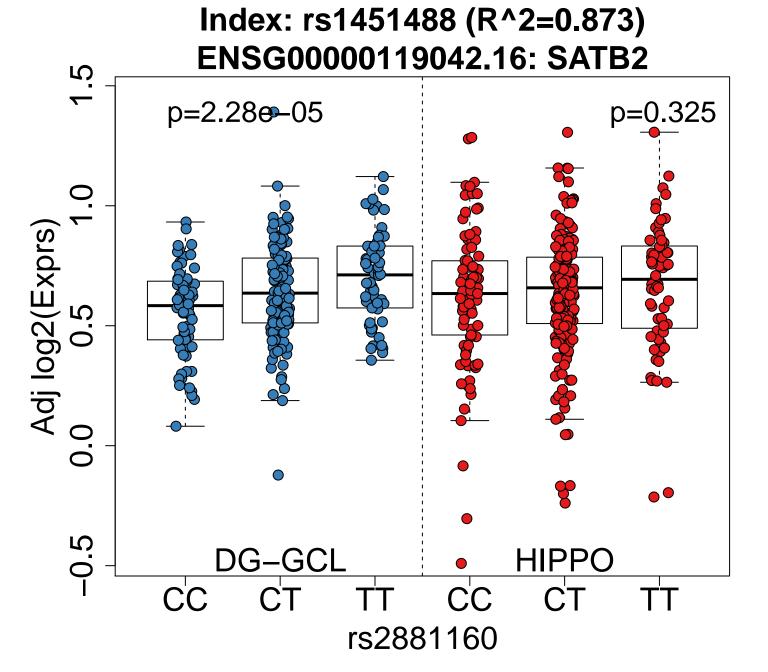




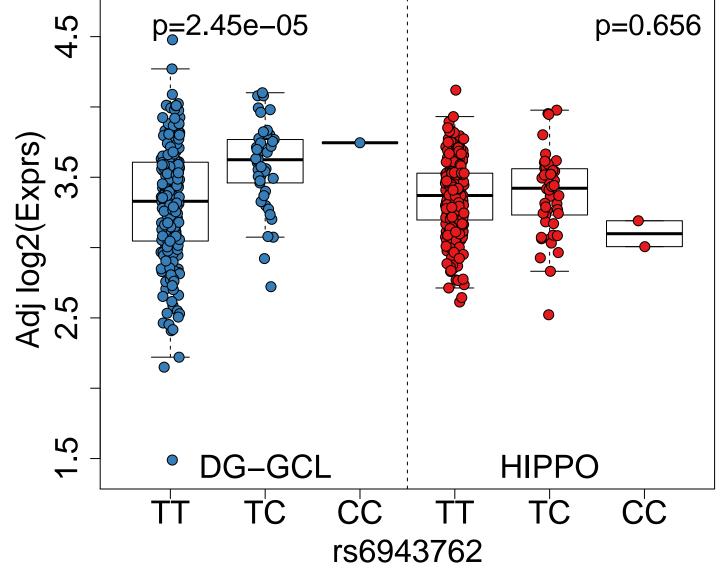




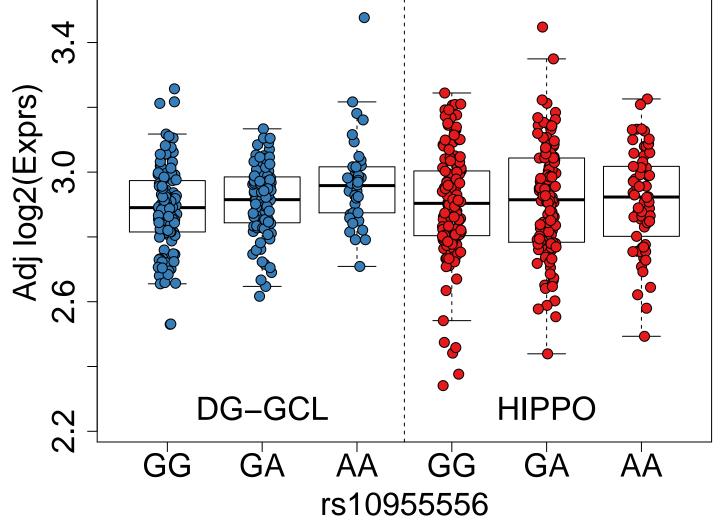




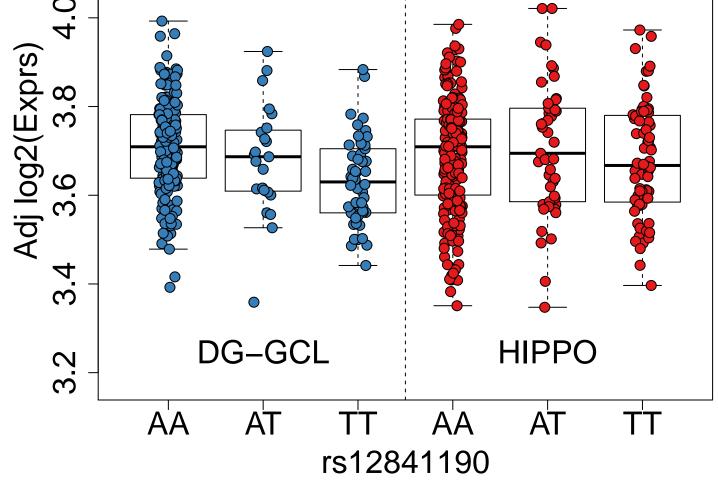
Index: rs12704290 (R^2=0.817) ENSE00003523712.1: GRM3



Index: rs7010876 (R^2=0.848) ENSG00000156103.15: MMP16 p=2.61e-05p=0.332



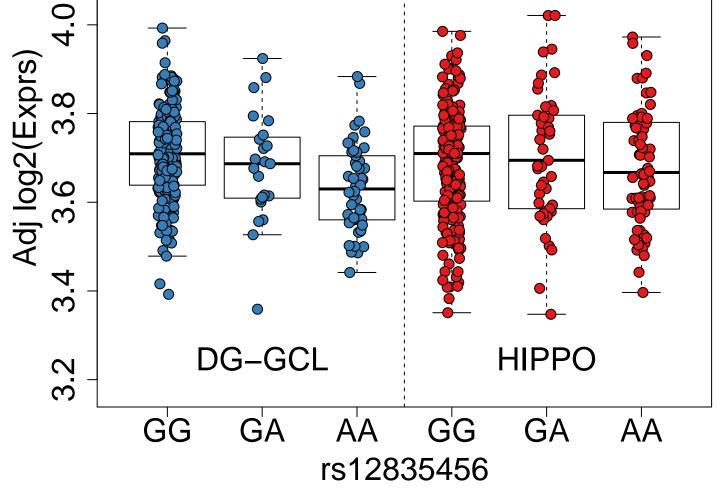
Index: rs12009217 (R^2=0.991) ENSG00000146938.14: NLGN4X p=2.63e-05p=0.654



4.2

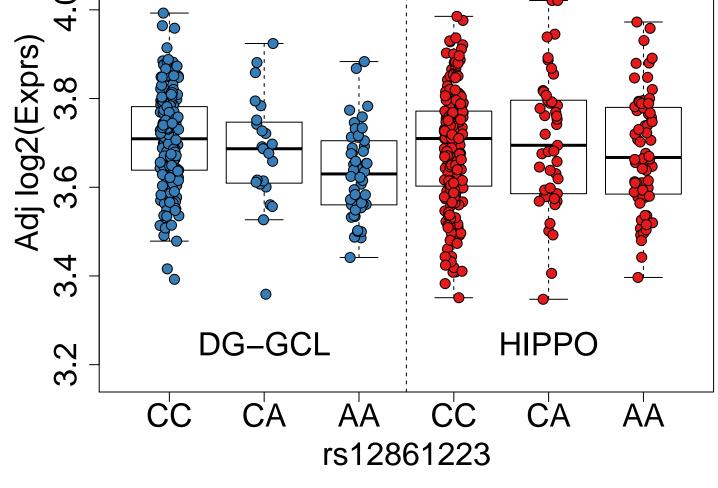
Index: rs12009217 (R^2=0.991) ENSG00000146938.14: NLGN4X 4.2 p=2.63e-05p=0.654Adj log2(Exprs) 1 3.6 3.8 ⁴ DG-GCL **HIPPO** 3.2 GG GA GG GA AA rs12013227

Index: rs12009217 (R^2=0.991) ENSG00000146938.14: NLGN4X p=2.63e-05p=0.684



4.2

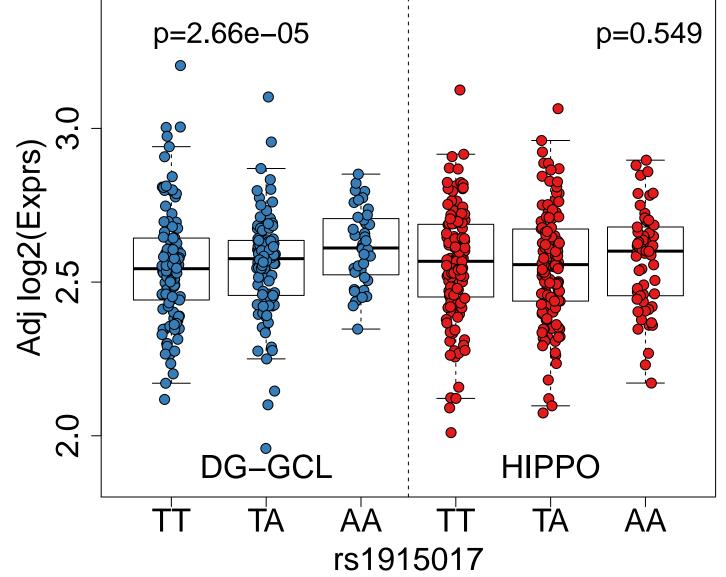
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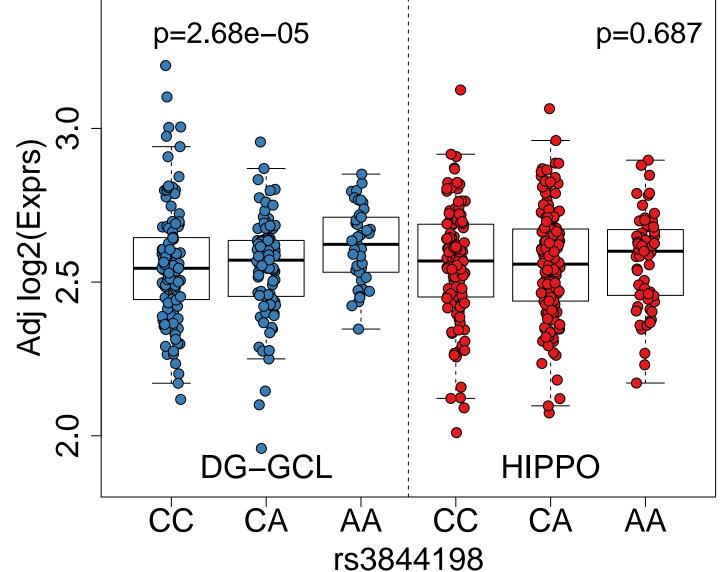
4.2

Index: rs12704290 (R^2=1) ENSE00001792681.1: GRM3 p=2.65e-05p=0.134Adj log2(Exprs) 2.5 3.0 3.0 DG-GCL **HIPPO** GA GG GG GA AA rs12704290

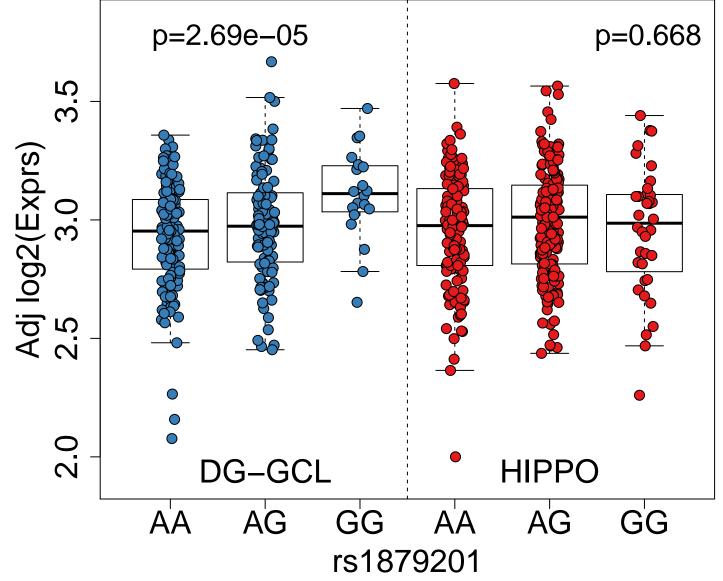
Index: rs7010876 (R^2=0.843) ENST00000286614.10: MMP16



Index: rs7010876 (R^2=0.848) ENST00000286614.10: MMP16

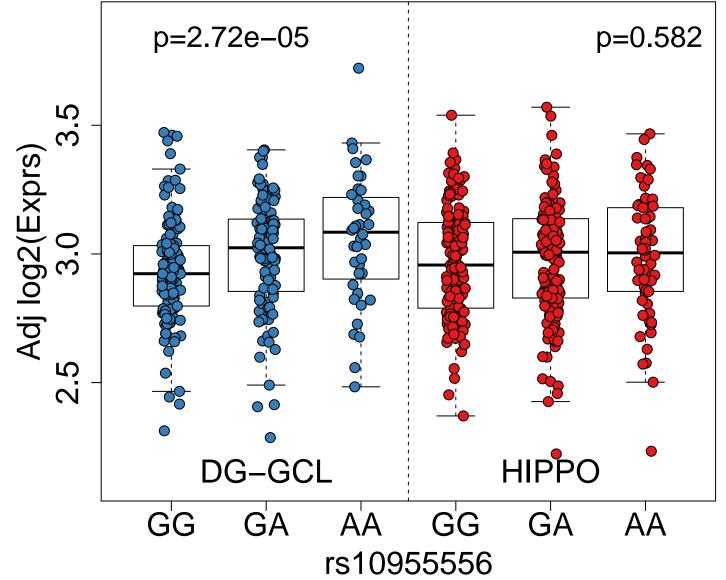


Index: rs7010876 (R^2=0.858) ENSE00003694472.1: MMP16



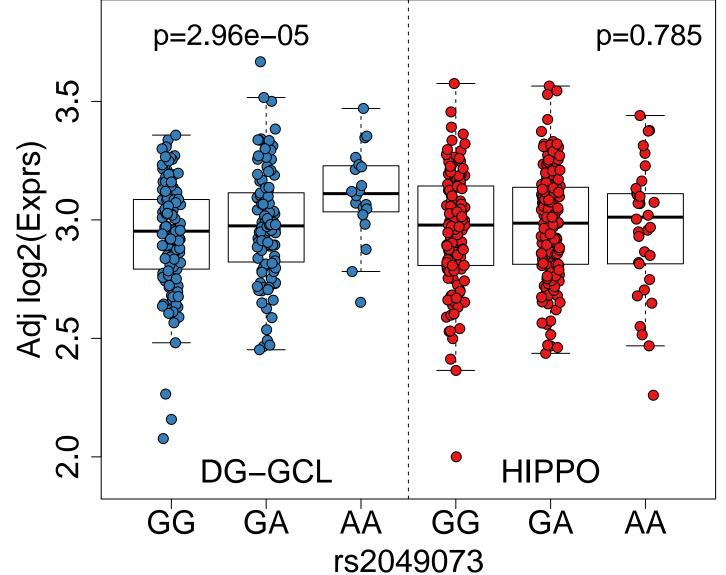
Index: rs7010876 (R^2=0.843) ENSG00000156103.15: MMP16 p=2.72e-05p=0.338Adj log2(Exprs) DG-GCL **HIPPO** CC CC rs1915018

Index: rs7010876 (R^2=0.848) ENSE00003607975.1: MMP16

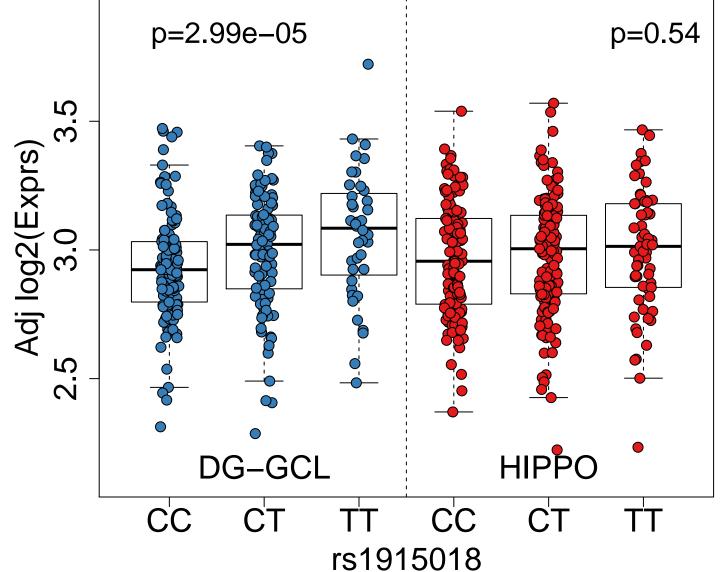


Index: rs12009217 (R^2=0.991) ENSG00000146938.14: NLGN4X p=2.89e-05p=0.672Adj log2(Exprs) 1 3.6 3.8 ² DG-GCL **HIPPO** 3.2 C_C rs67722849

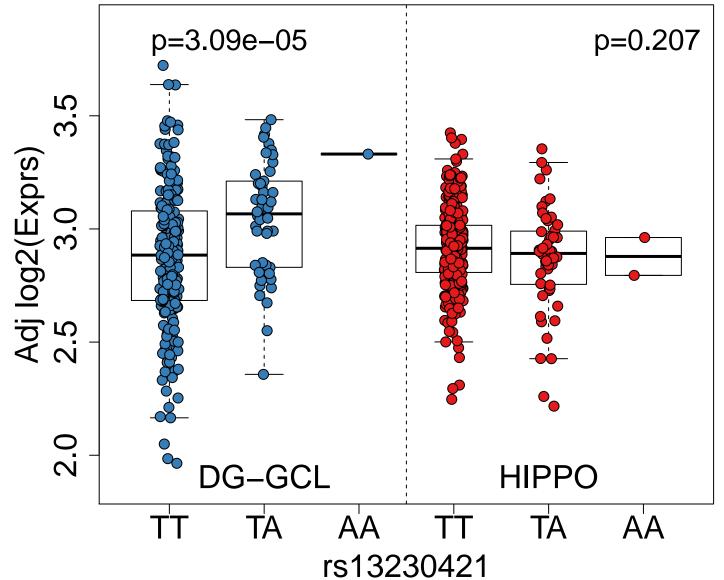
Index: rs7010876 (R^2=0.863) ENSE00003694472.1: MMP16



Index: rs7010876 (R^2=0.843) ENSE00003607975.1: MMP16



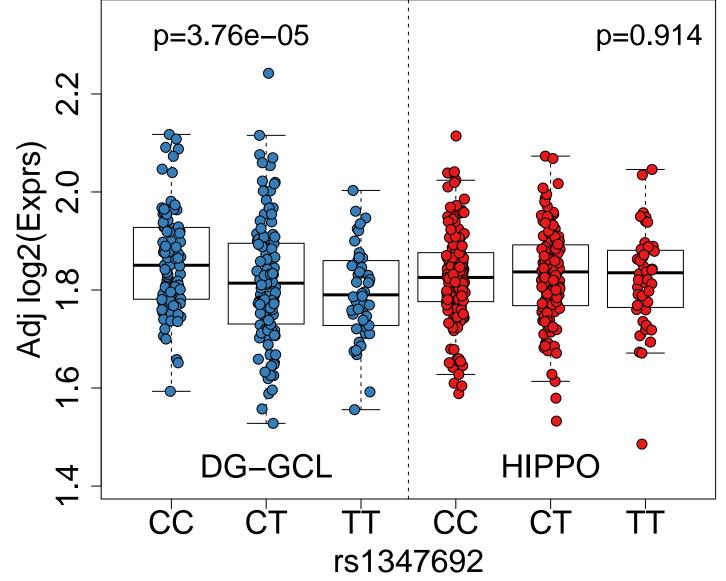
Index: rs12704290 (R^2=0.968) ENSE00001254406.1: GRM3



Index: rs12704290 (R^2=0.968) ENSG00000198822.10: GRM3 4.5 p=3.16e-05p=0.542Adj log2(Exprs) 2.5 DG-GCL **HIPPO** TA AA TA rs13230421

Index: rs2007044 (R^2=0.821) ENSG00000151067.21: CACNA1C 3.6 p=3.64e-05p=0.103Adj log2(Exprs) 2.8 3.2 DG-GCL **HIPPO** CC CC CA AA CA rs34382810

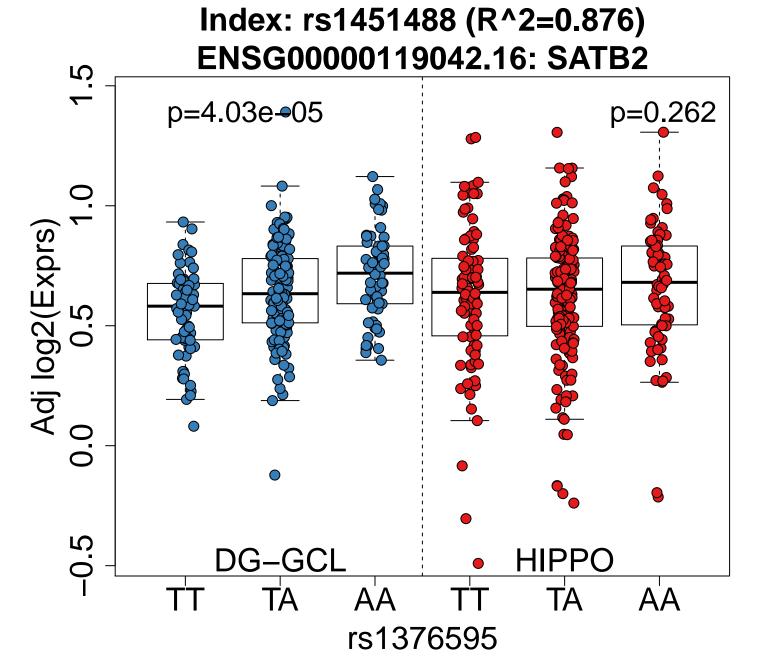
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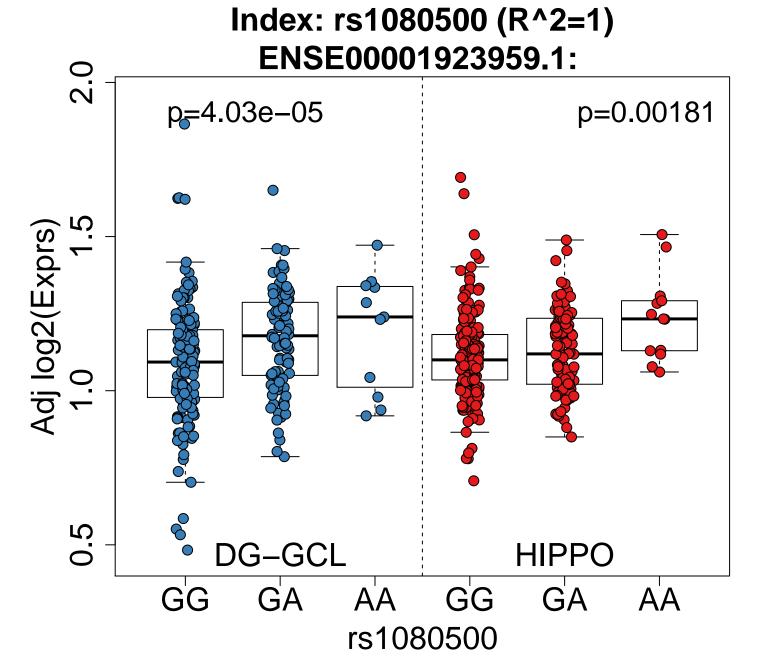


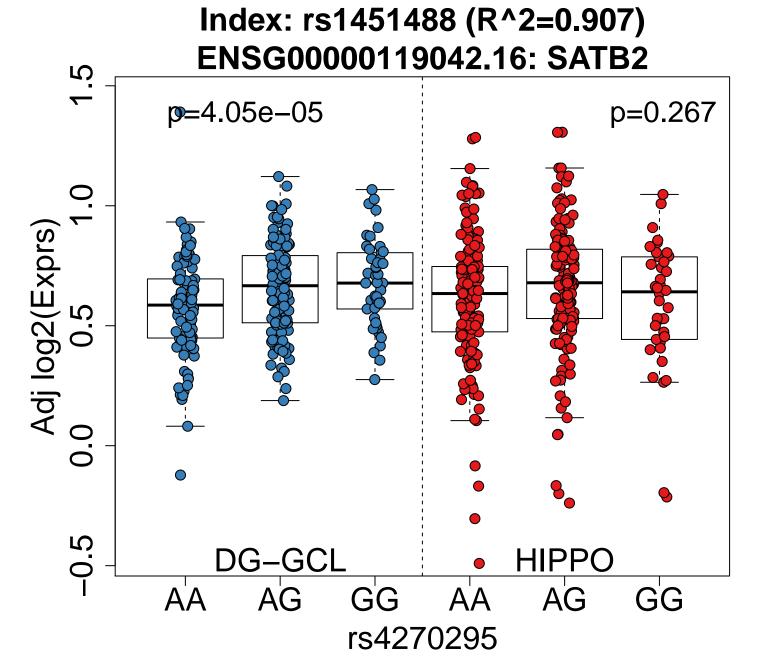
Index: rs2410572 (R^2=0.844) ENSG00000156011.16: PSD3 p=3.96e-05p=0.917Adj log2(Exprs) DG-GCL **HIPPO** 4.5 CC CC TC TC rs876983

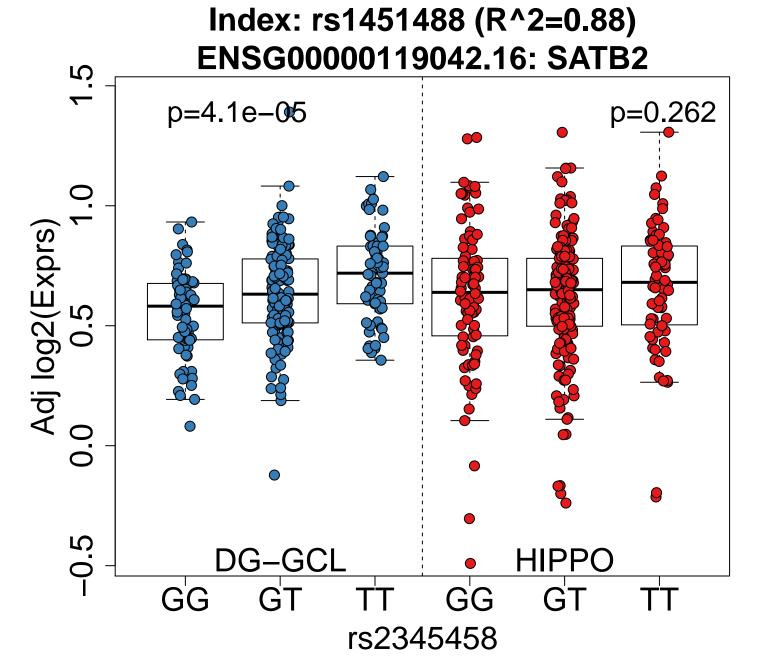
Index: rs7010876 (R^2=0.848) ENSG00000156103.15: MMP16 p = 4e - 05p=0.234Adj log2(Exprs) DG-GCL **HIPPO** 2.2 CC CC CA ΑA CA

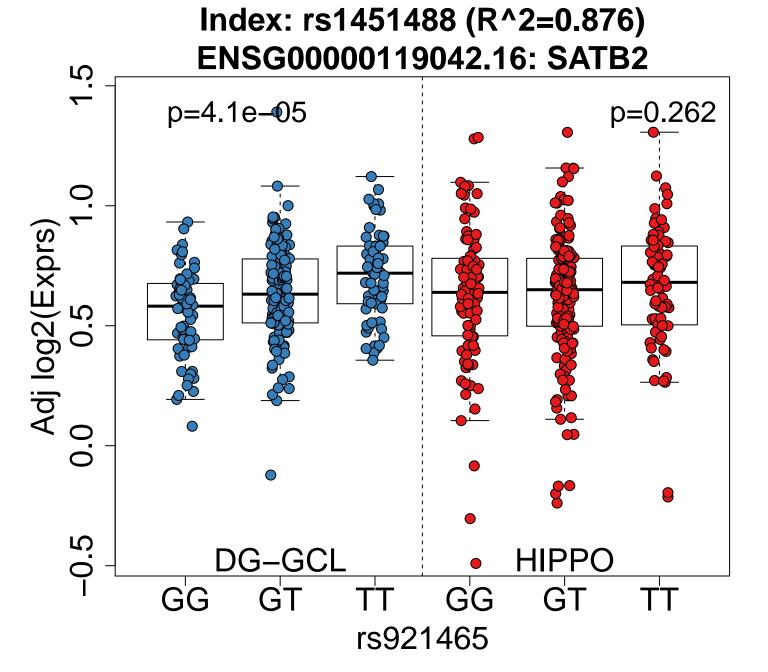
rs3844198

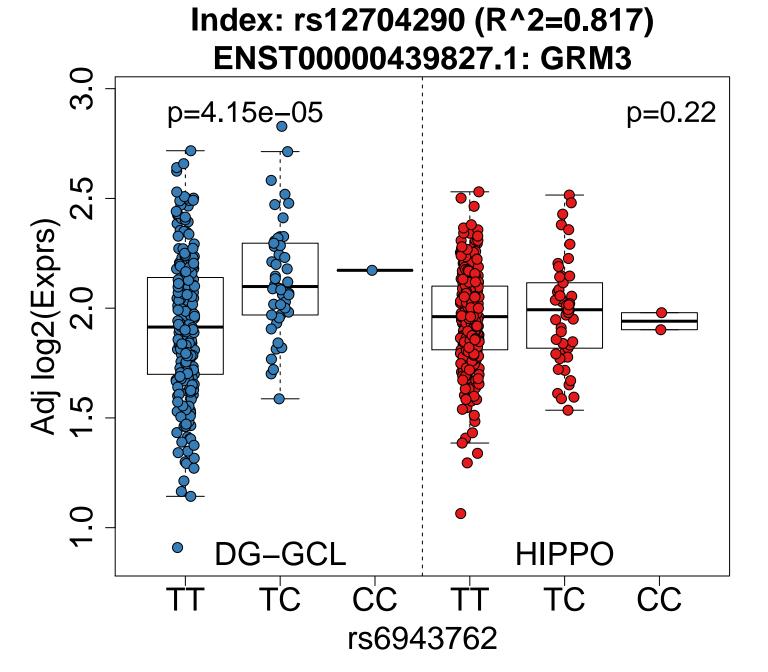






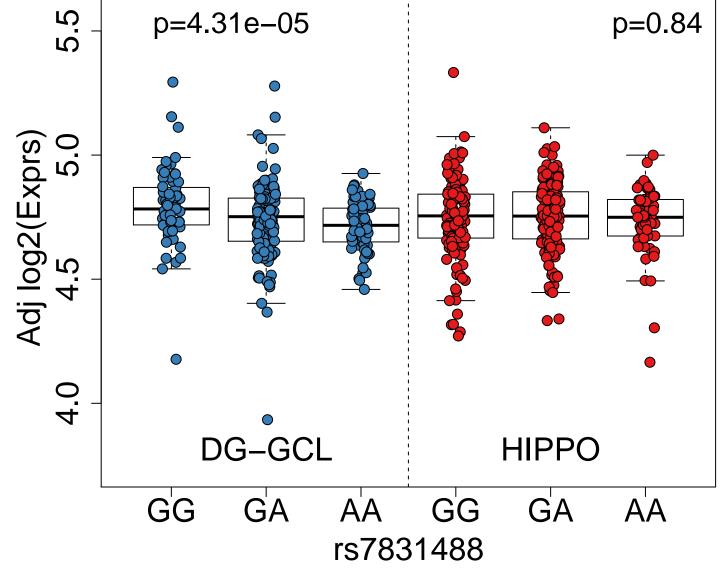




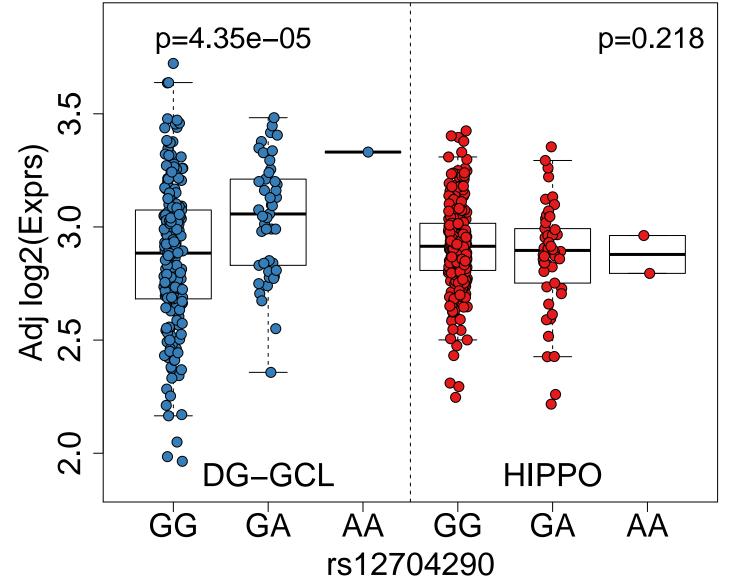


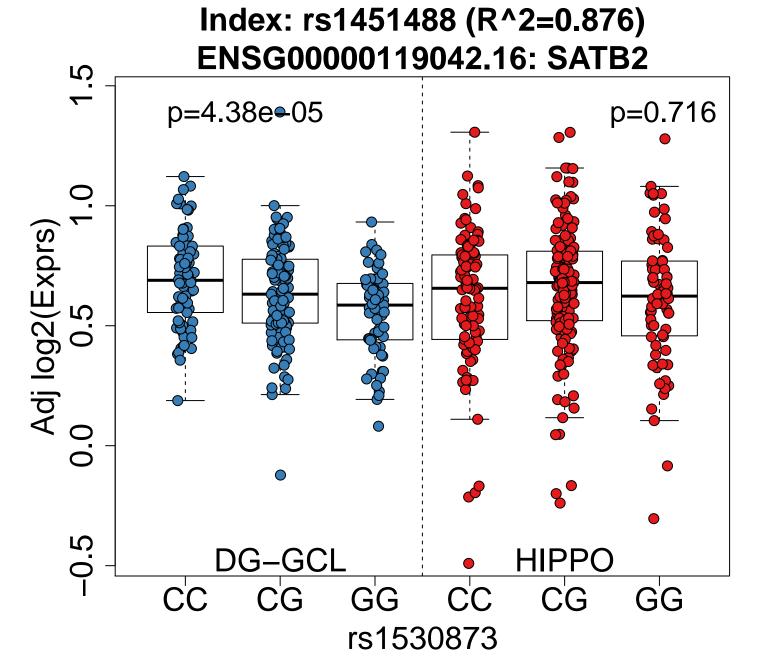
Index: rs2410572 (R^2=0.857) ENSE00001249934.8: PSD3 5.5 p=4.3e-05p = 0.84Adj log2(Exprs) DG-GCL **HIPPO** GG GA AA GG GA rs7831488

Index: rs2410572 (R^2=0.857) ENSE00001801145.2: PSD3



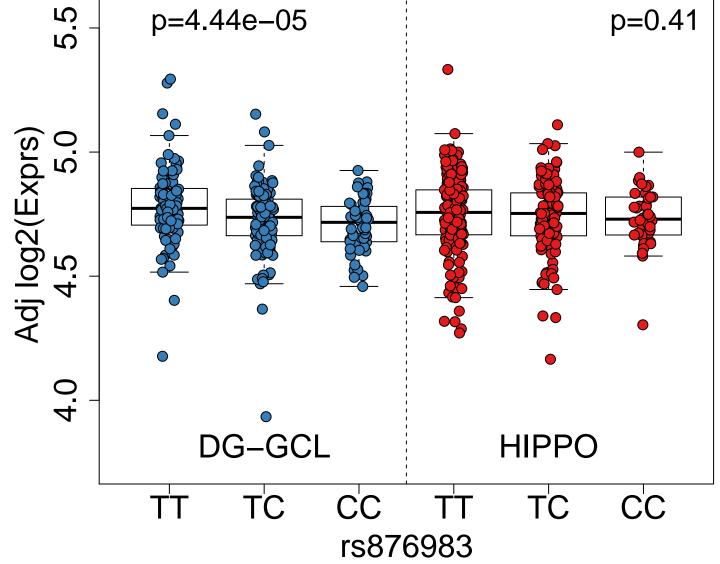
Index: rs12704290 (R^2=1) ENSE00001254406.1: GRM3

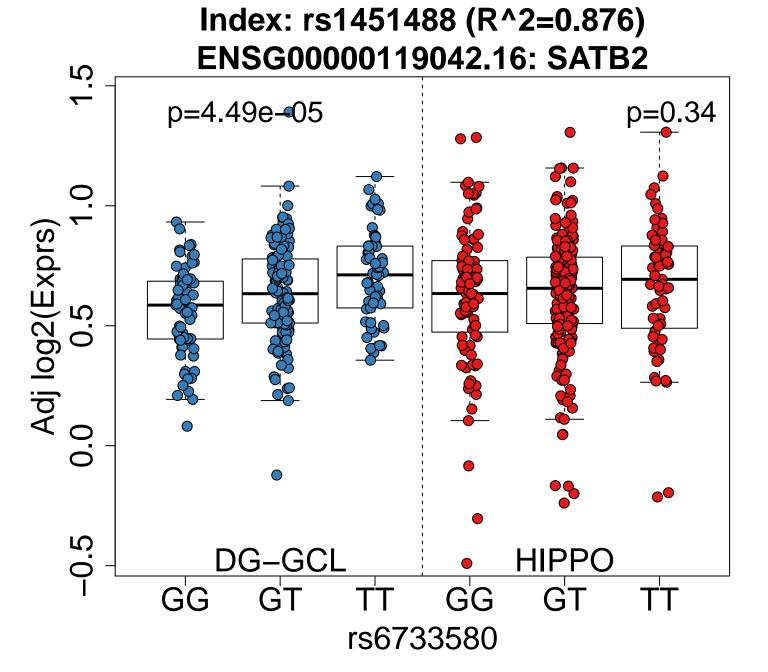


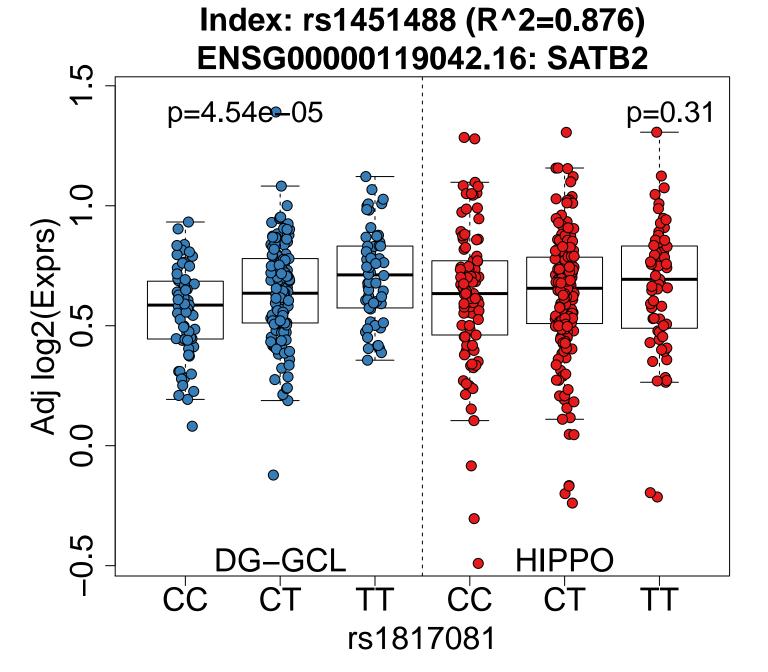


Index: rs2410572 (R^2=0.844) ENSE00001249934.8: PSD3 5.5 p=4.43e-05p = 0.41Adj log2(Exprs) DG-GCL **HIPPO** CC TC TC rs876983

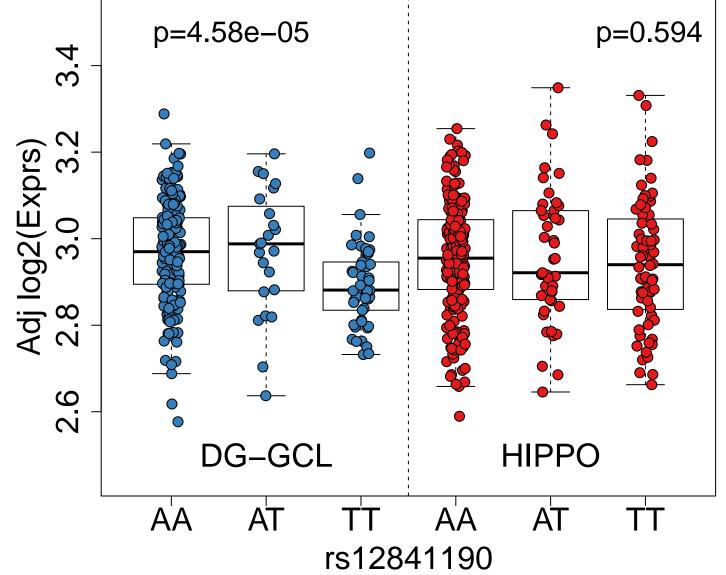
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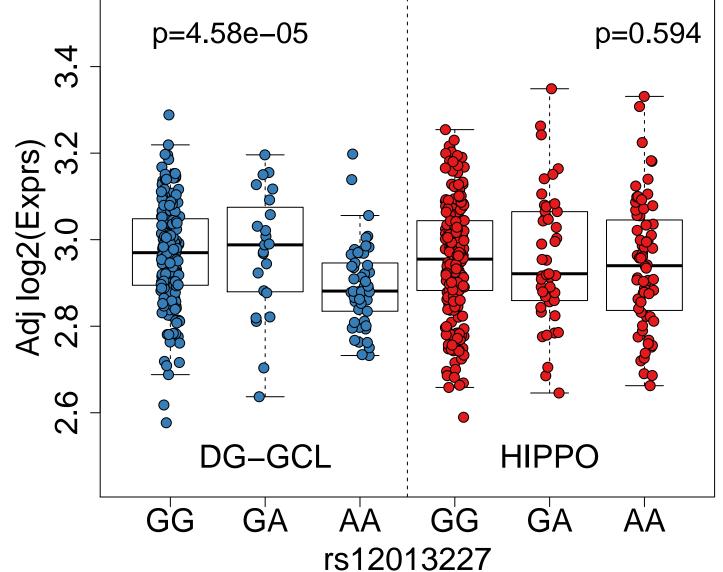




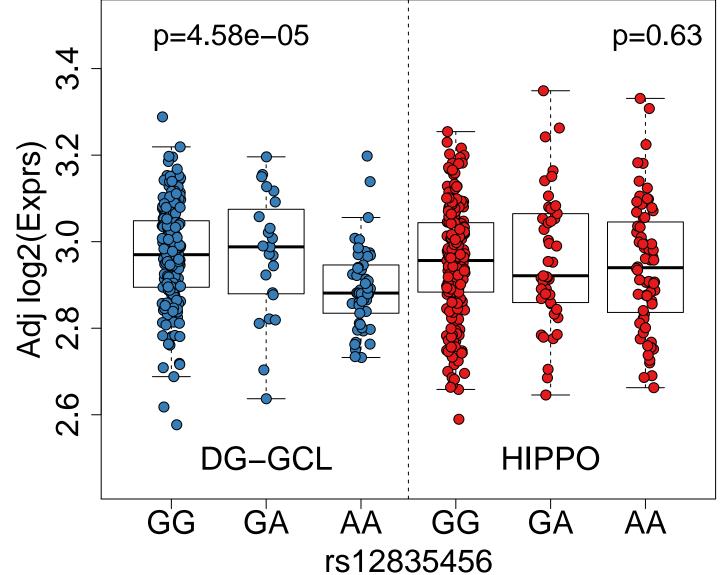
Index: rs12009217 (R^2=0.991) ENSE00001487507.3: NLGN4X



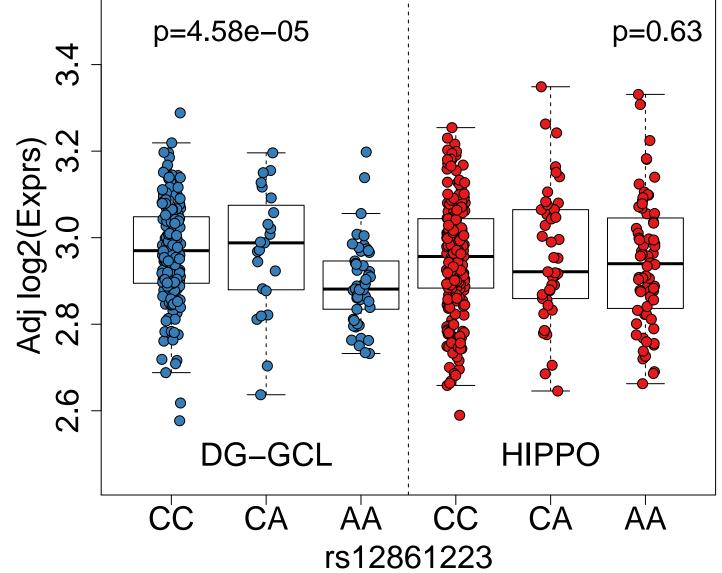
Index: rs12009217 (R^2=0.991) ENSE00001487507.3: NLGN4X

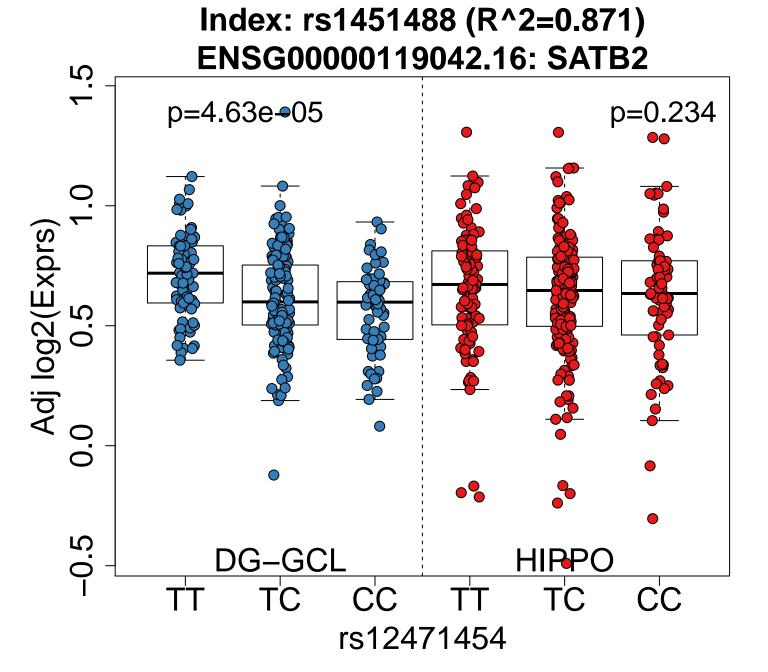


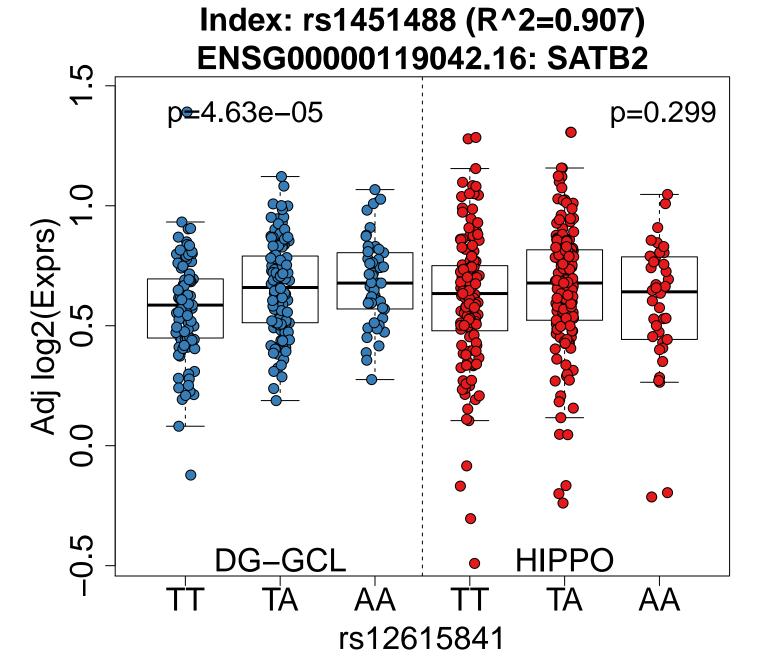
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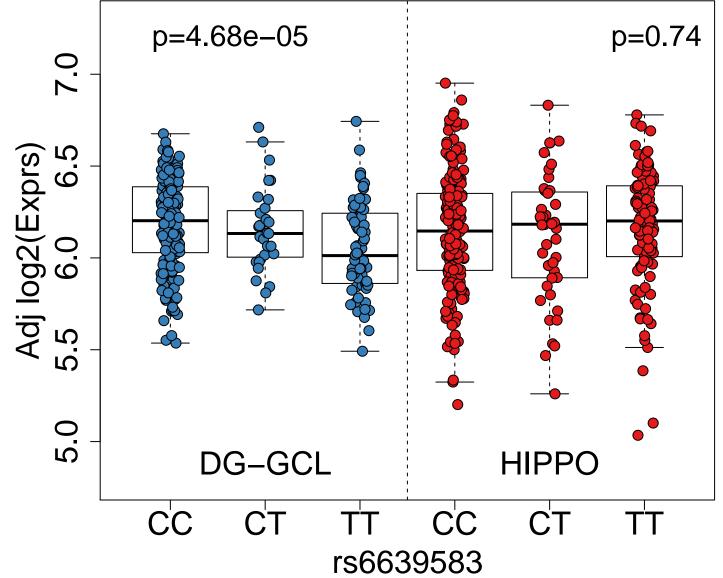
Index: rs12009217 (R^2=0.983) ENSE00001487507.3: NLGN4X

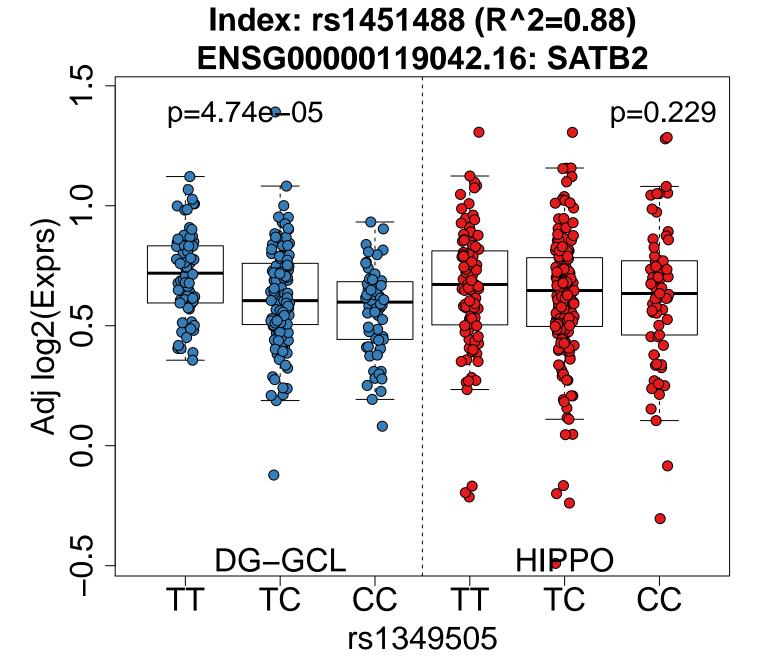


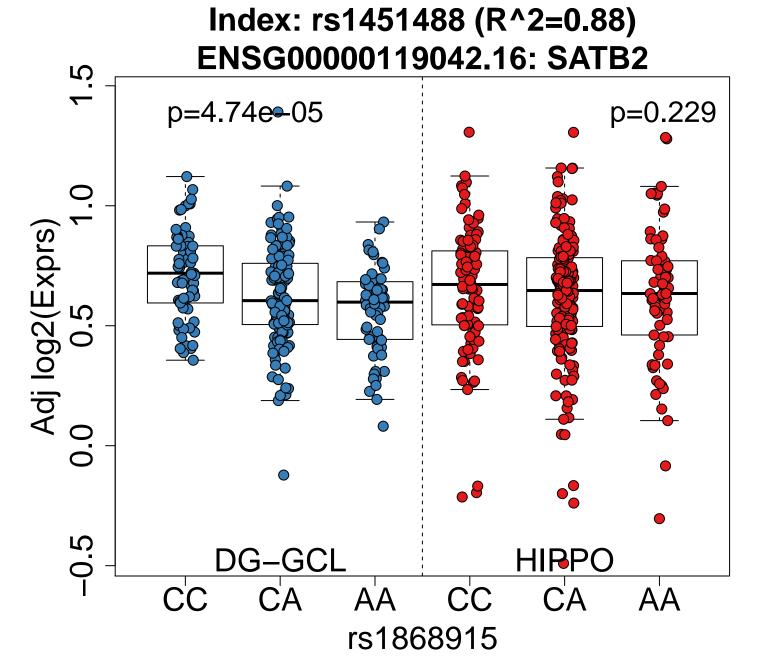




Index: rs12009217 (R^2=0.809) chrX:5893667-5903076(-): NLGN4X



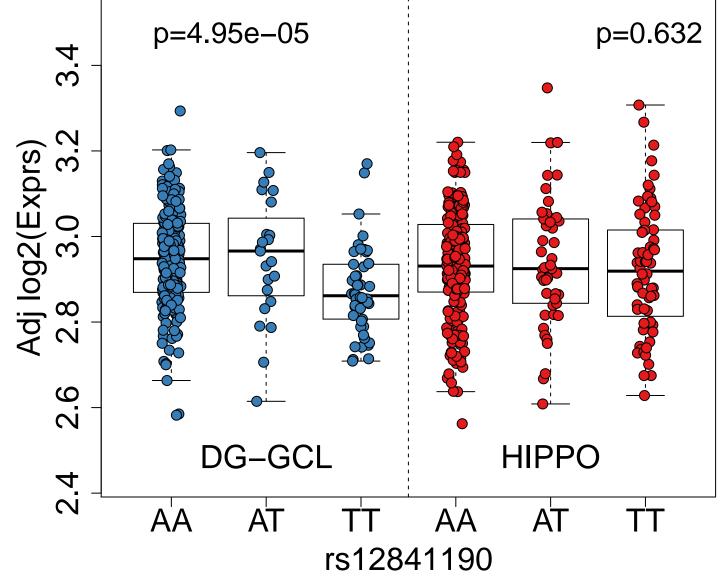




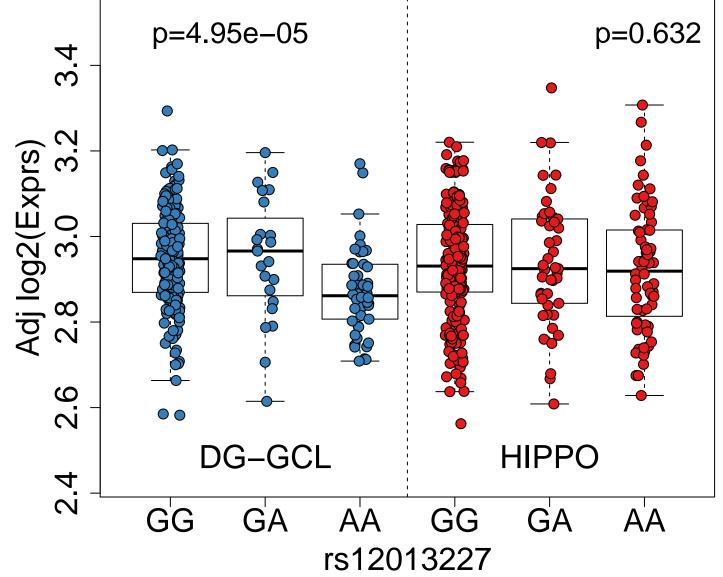
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Index: rs2410572 (R^2=0.828) ENSE00001249934.8: PSD3 5.5 p=4.81e-05p=0.497Adj log2(Exprs) DG-GCL **HIPPO** CC CC 8:18427710:C:T

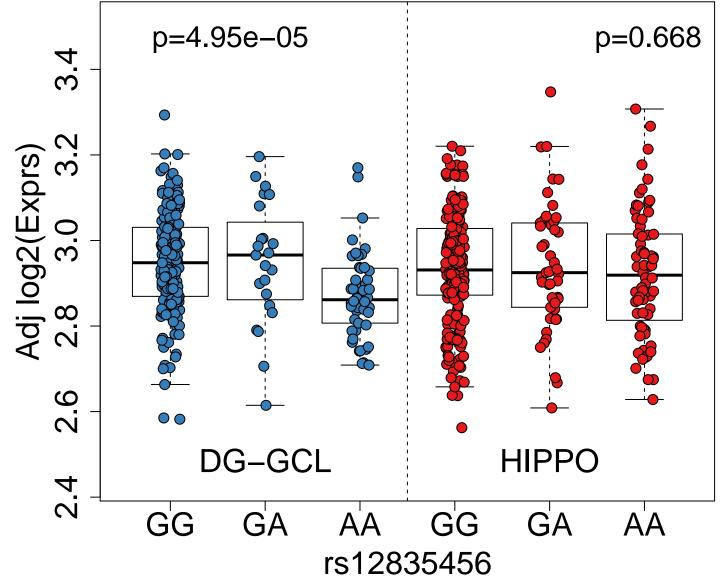
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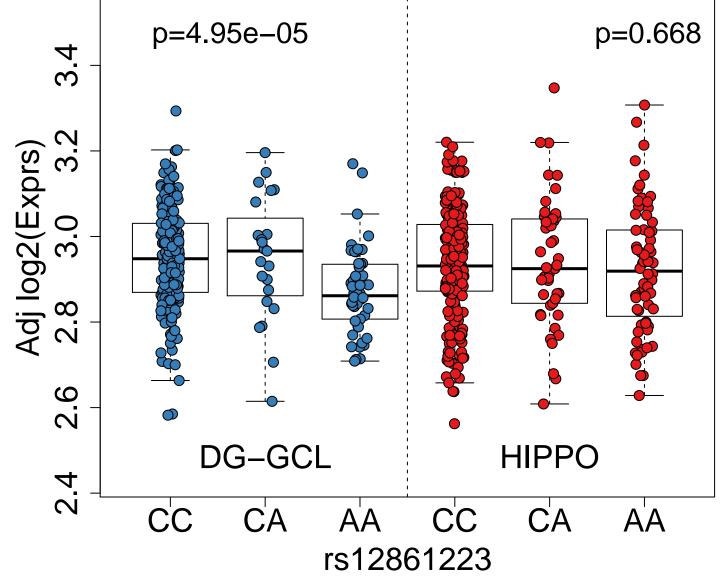
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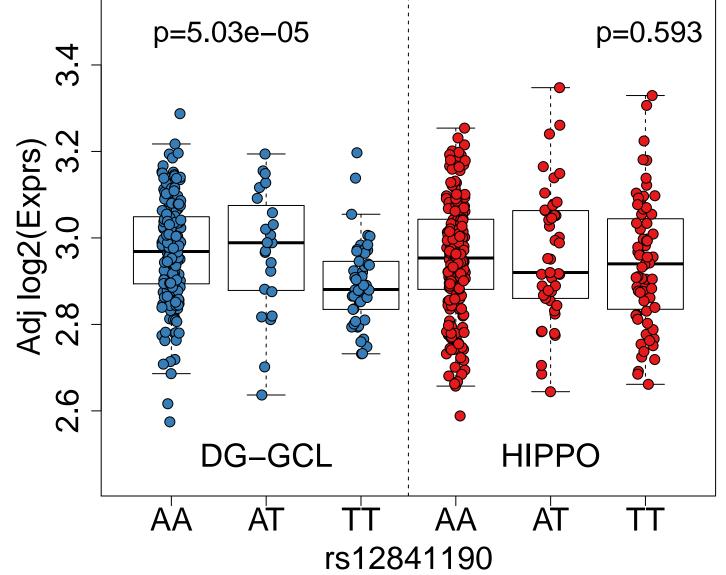
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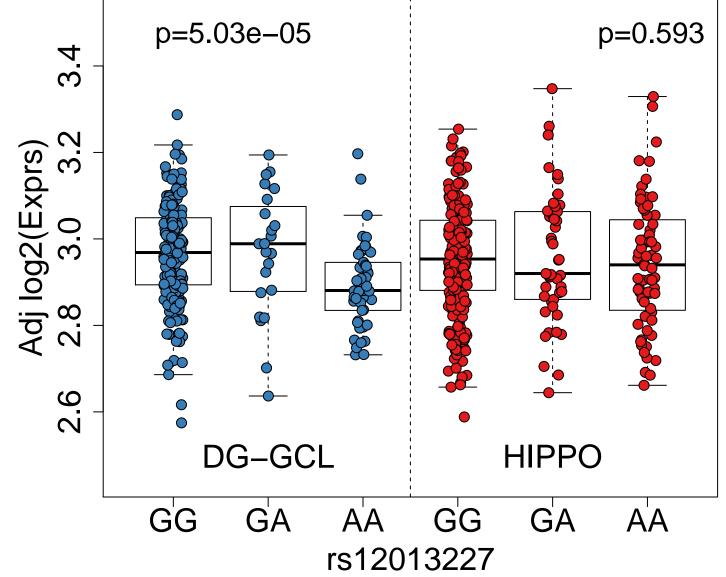
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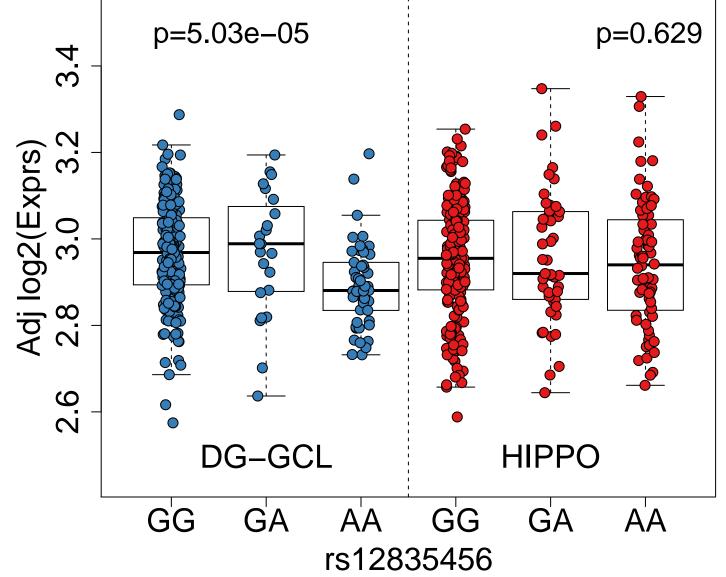
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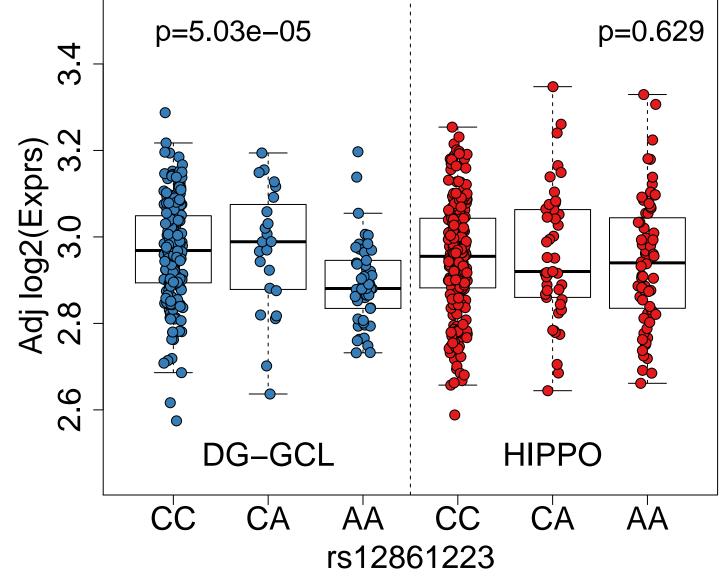
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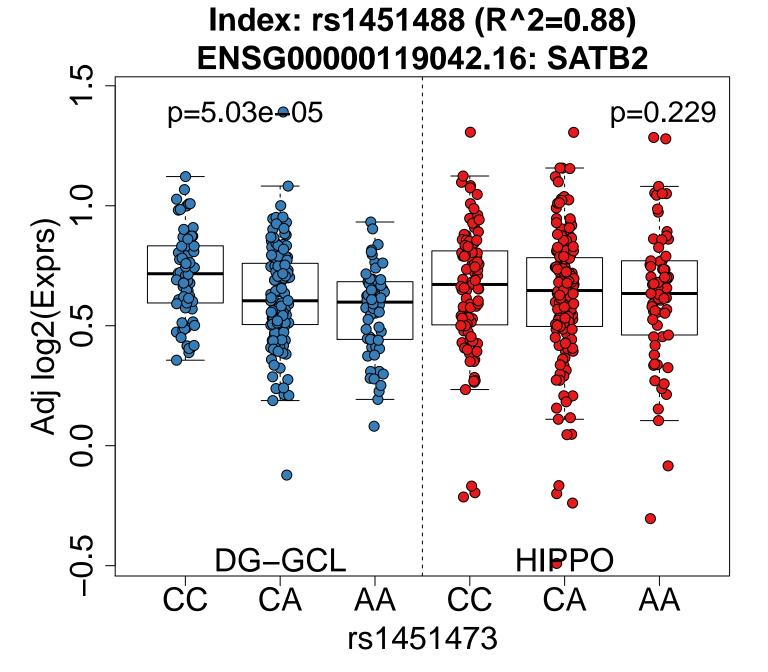


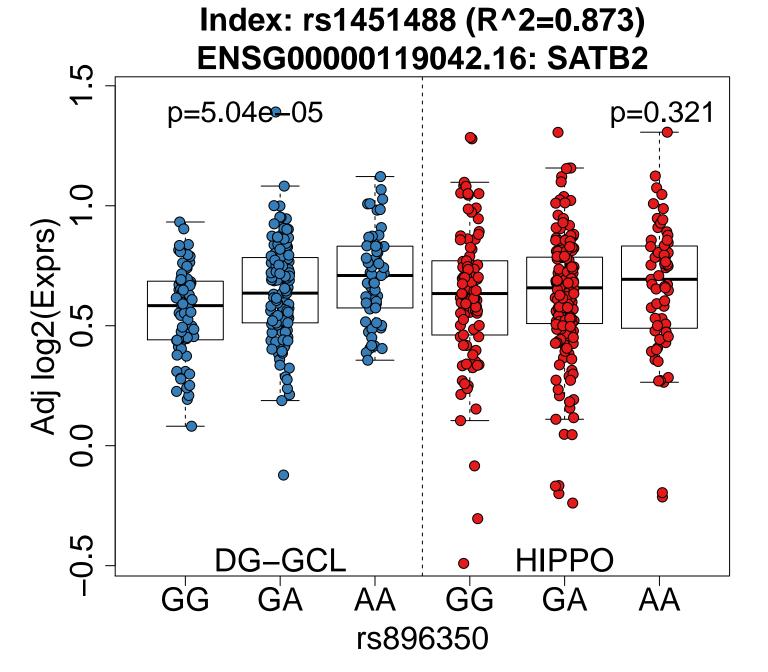
Index: rs12009217 (R^2=0.991) ENSE00001827176.1: NLGN4X



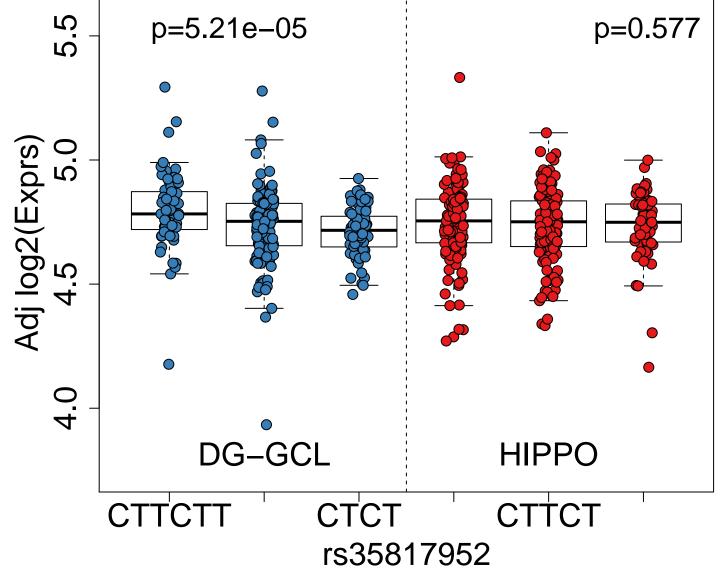
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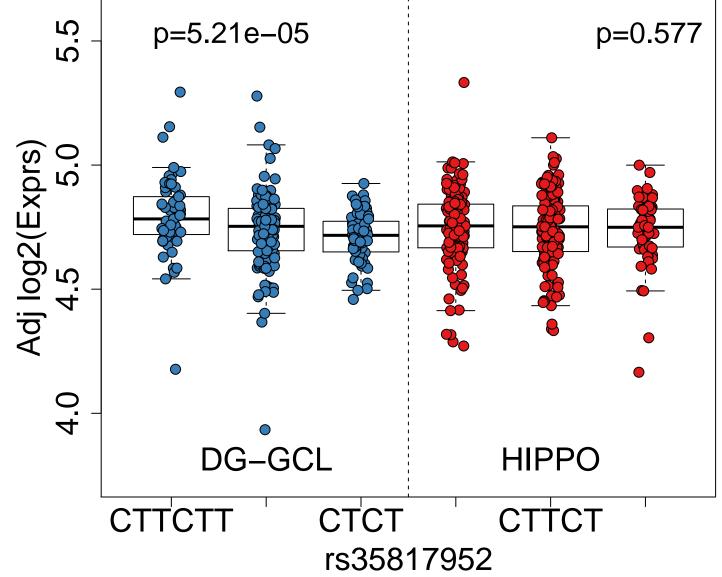




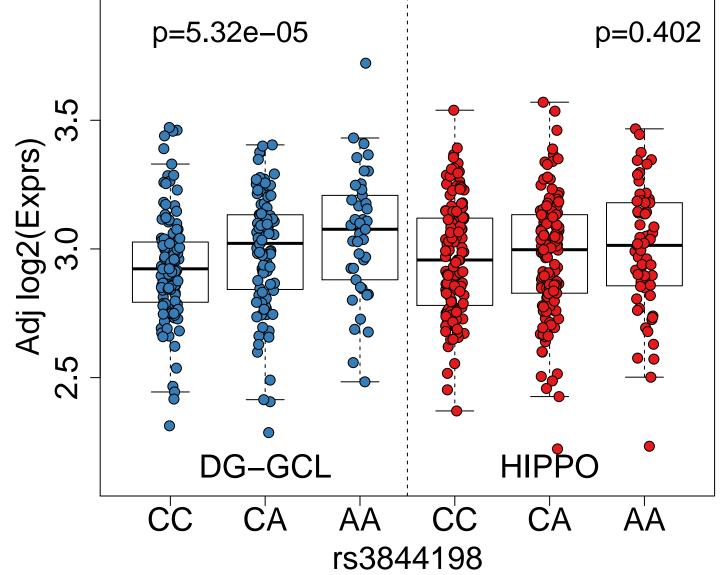
Index: rs2410572 (R^2=0.832) ENSE00001249934.8: PSD3



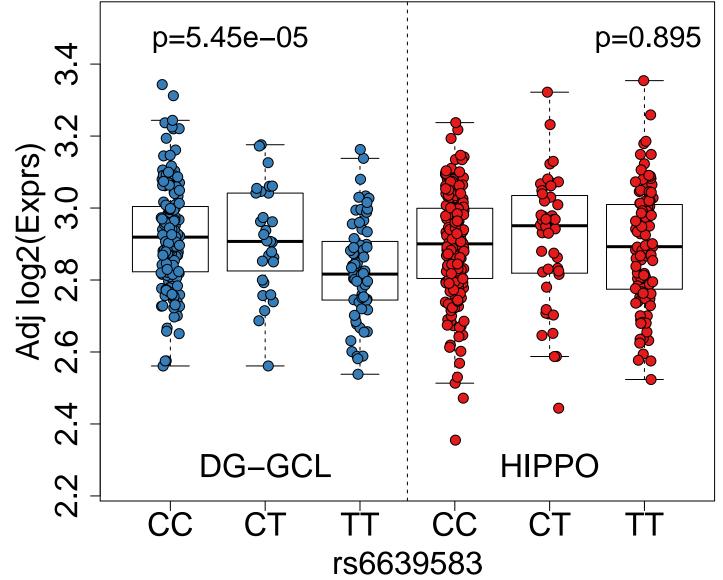
Index: rs2410572 (R^2=0.832) ENSE00001801145.2: PSD3

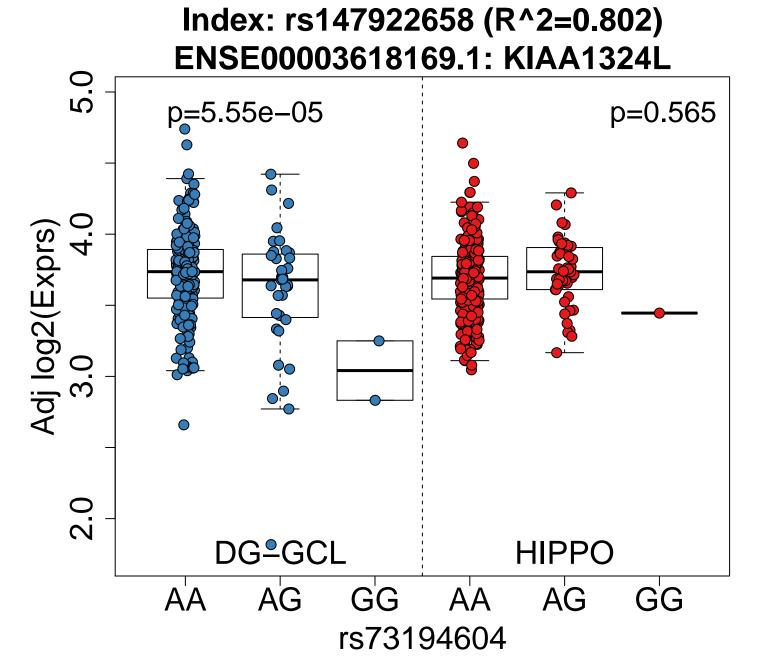


Index: rs7010876 (R^2=0.848) ENSE00003607975.1: MMP16

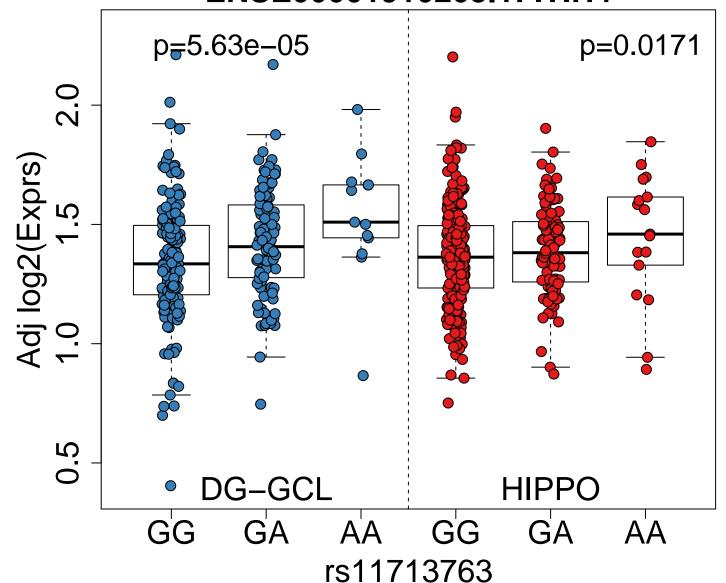


Index: rs12009217 (R^2=0.809) ENSE00001648911.1: NLGN4X

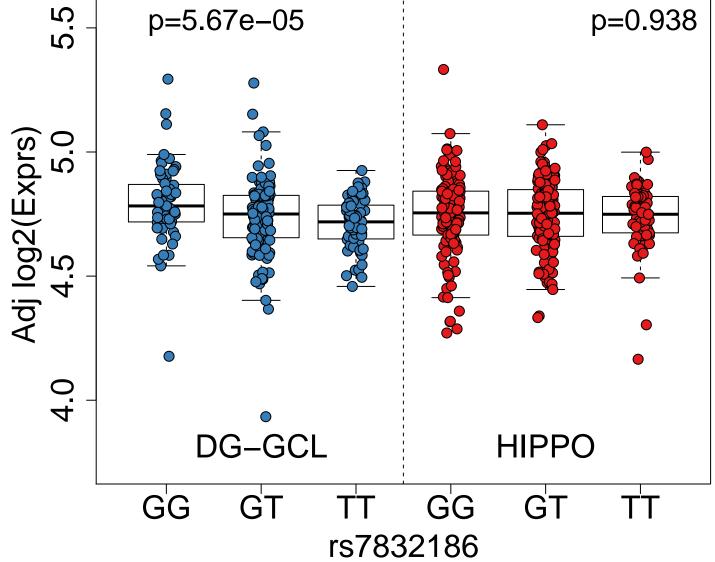




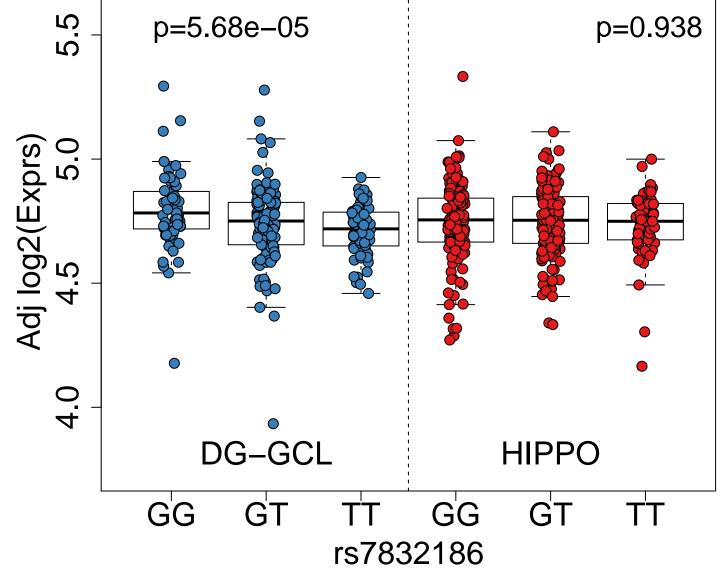
Index: rs1080500 (R^2=0.941) ENSE00001910203.1: ITIH4



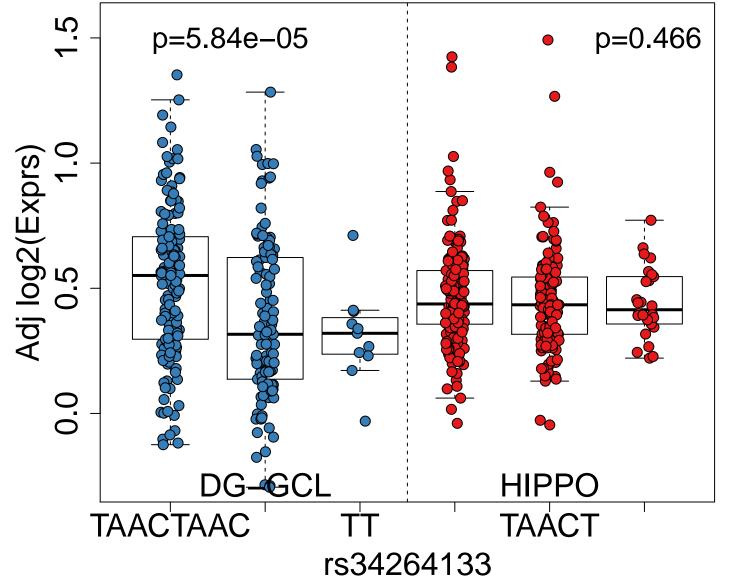
Index: rs2410572 (R^2=0.865) ENSE00001249934.8: PSD3 p=5.67e-05p=0.938



Index: rs2410572 (R^2=0.865) ENSE00001801145.2: PSD3

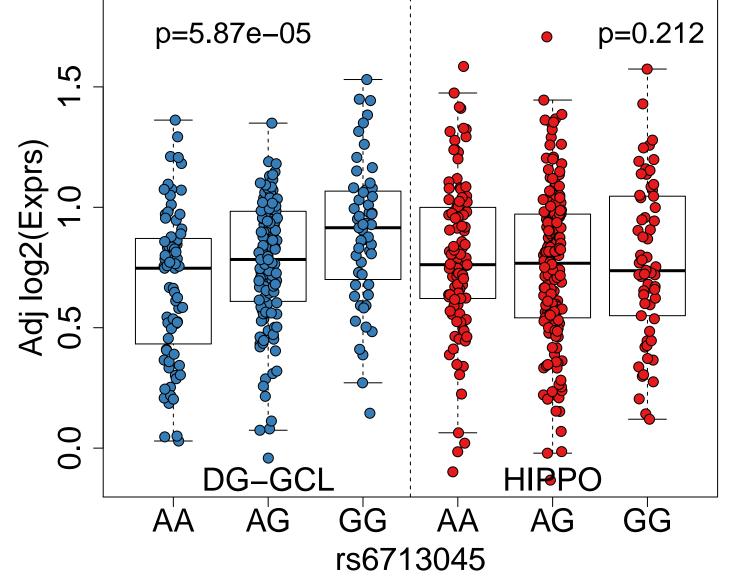


Index: rs35736453 (R^2=0.957) ENSG00000172673.10: THEMIS

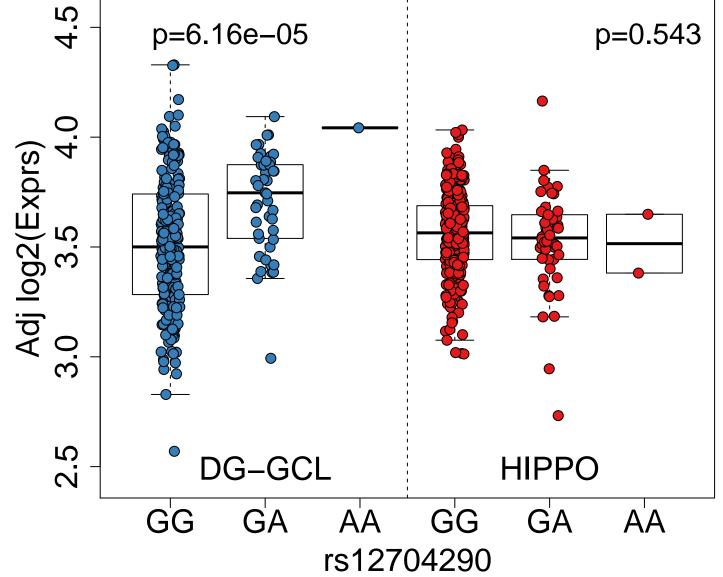


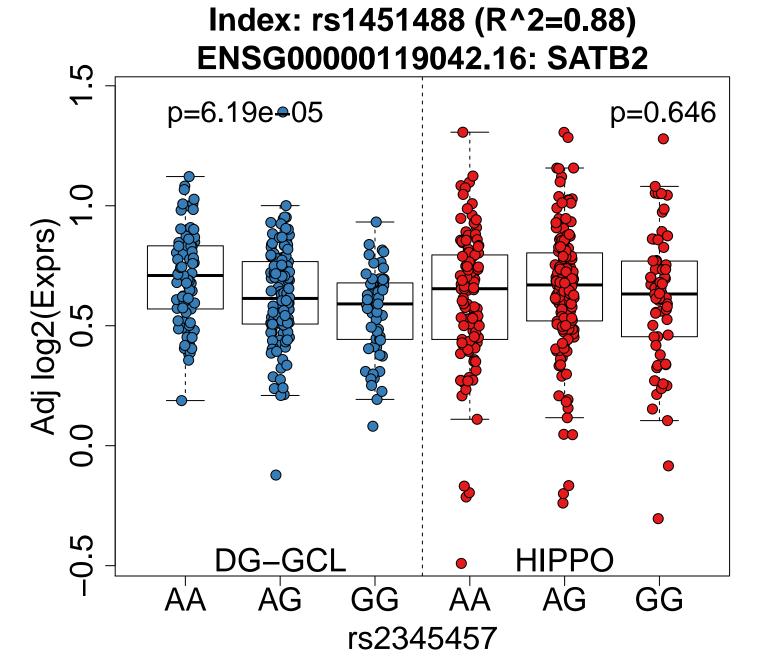
Index: rs281299 (R^2=1) chr15:47764306-47764637(+): SEMA6D p=5.85e-05p=0.417Adj log2(Exprs) 4 5 6 3 DG-GCL **HIPPO** CCCC rs281299

Index: rs1451488 (R^2=0.835) ENST00000417098.5: SATB2

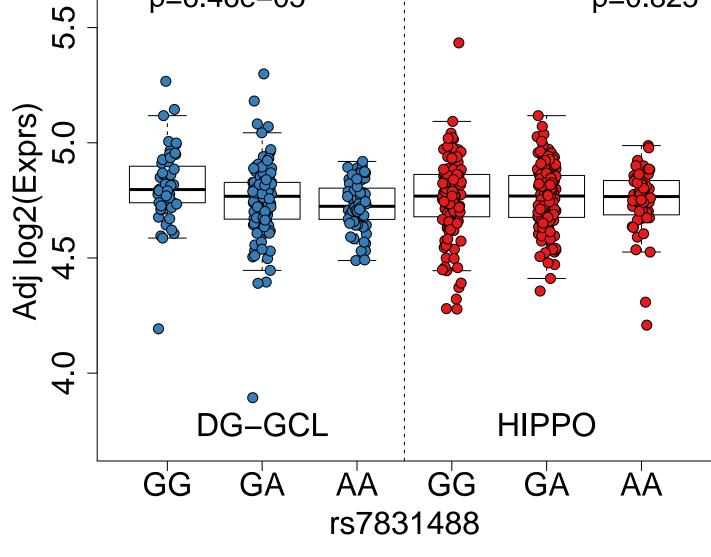


Index: rs12704290 (R^2=1) ENSG00000198822.10: GRM3 p=6.16e-05

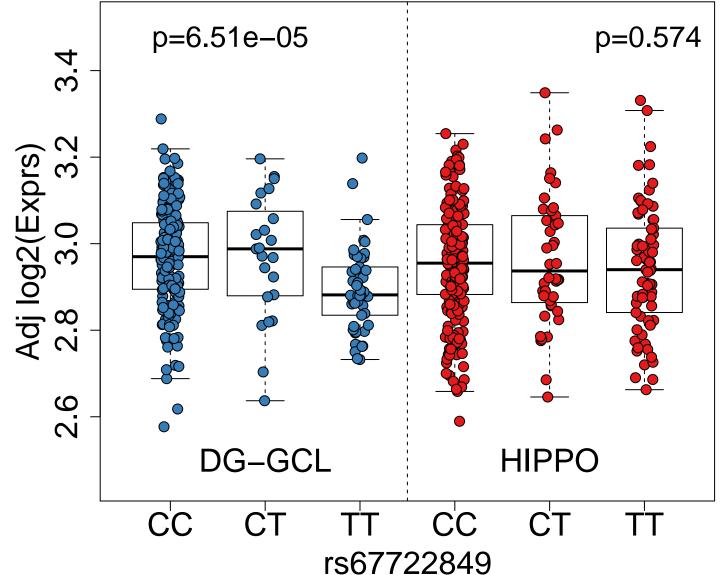


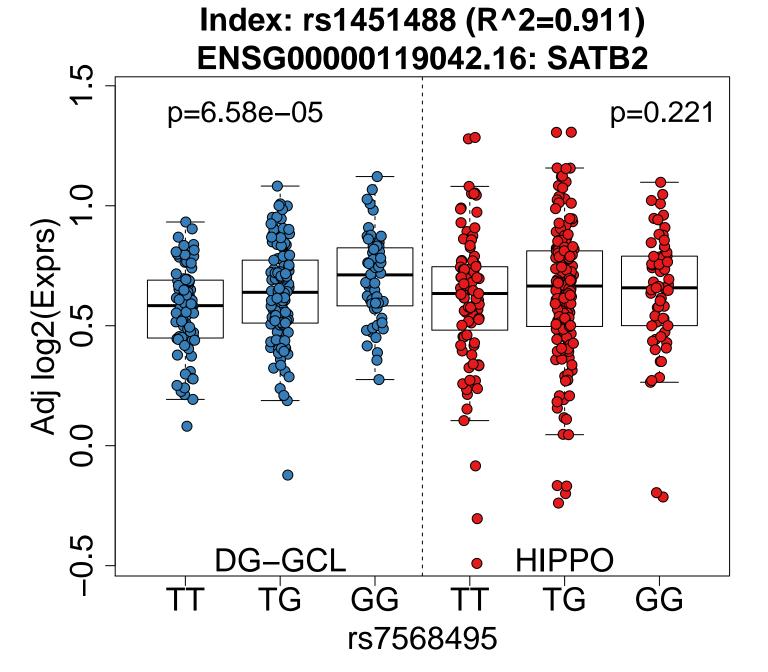


Index: rs2410572 (R^2=0.857) ENSE00003721697.1: PSD3 p=6.46e-05p=0.825



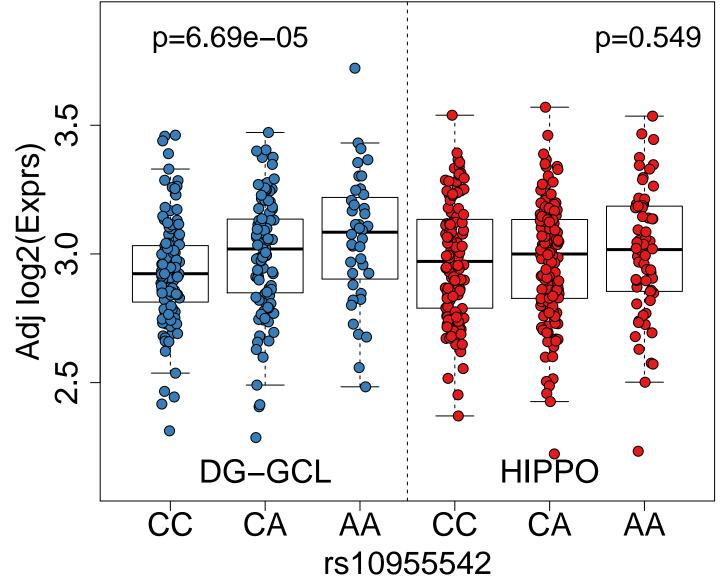
Index: rs12009217 (R^2=0.991) ENSE00001487507.3: NLGN4X





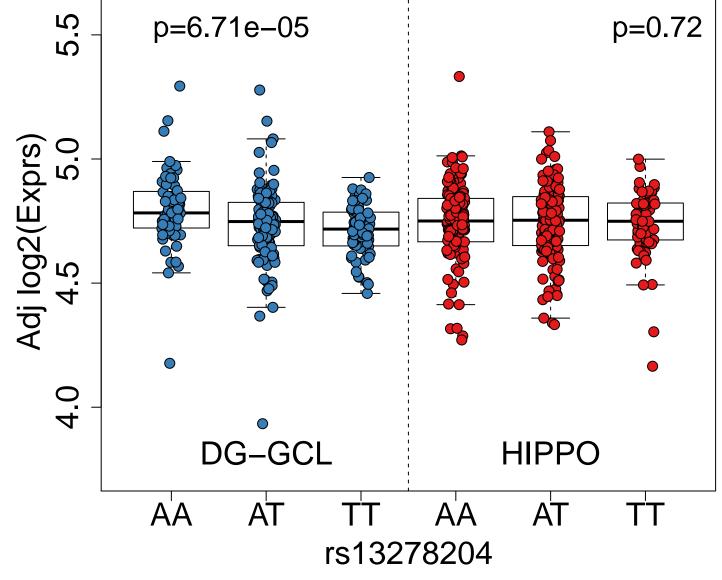
Index: rs2410572 (R^2=0.844) ENSE00003721697.1: PSD3 p=6.68e-05p=0.2485.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** CC TC TC rs876983

Index: rs7010876 (R^2=0.843) ENSE00003607975.1: MMP16

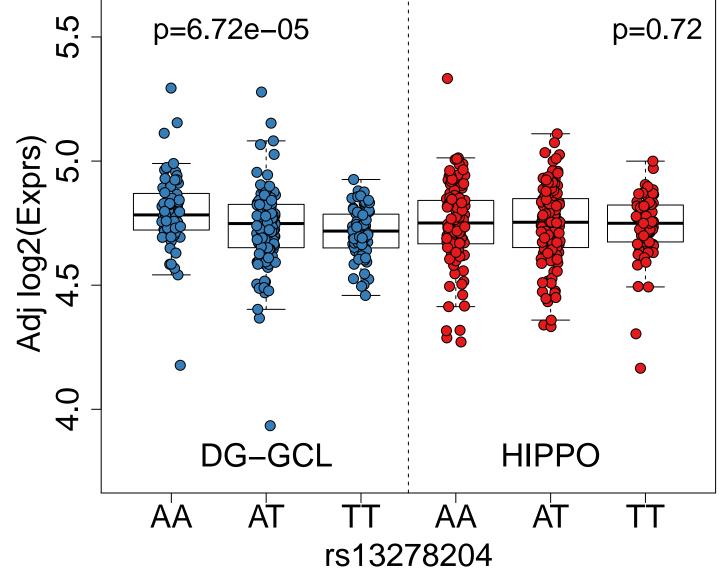


Index: rs281299 (R^2=1) ENSG00000137872.16: SEMA6D p=6.7e-05p=0.1094.5 Adj log2(Exprs) **HIPPO** DG-GCL 5 CC rs281299

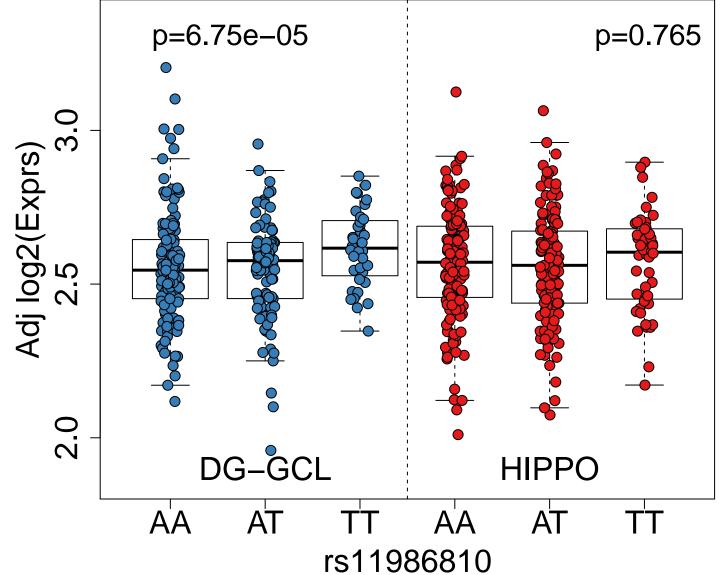
Index: rs2410572 (R^2=0.857) ENSE00001249934.8: PSD3



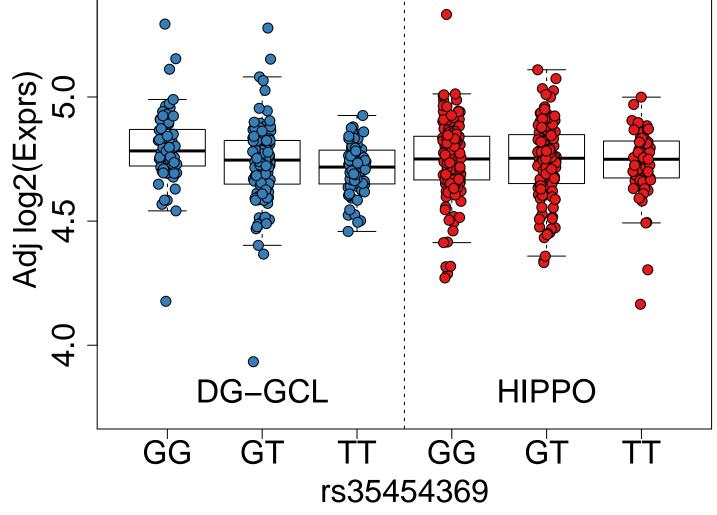
Index: rs2410572 (R^2=0.857) ENSE00001801145.2: PSD3



Index: rs7010876 (R^2=0.803) ENST00000286614.10: MMP16

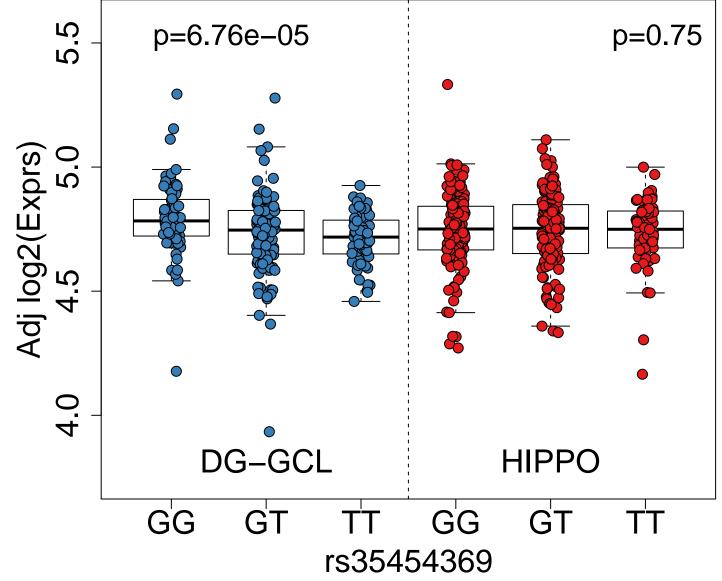


Index: rs2410572 (R^2=0.865) ENSE00001249934.8: PSD3 p=6.75e-05p = 0.75

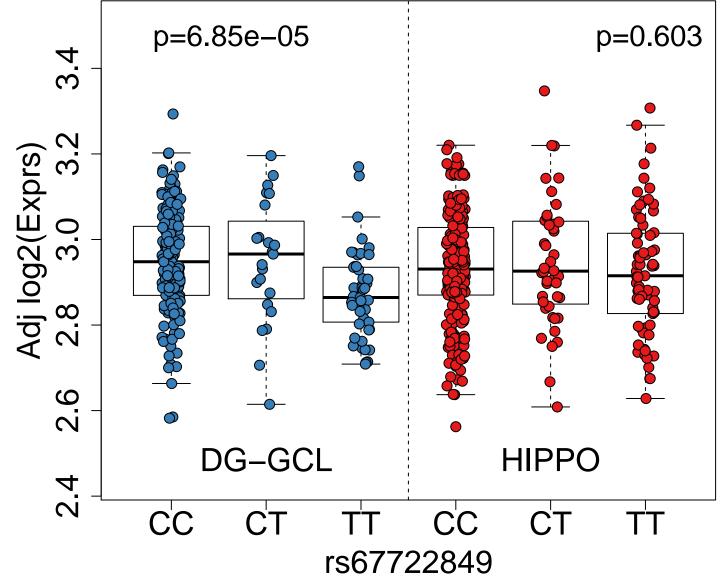


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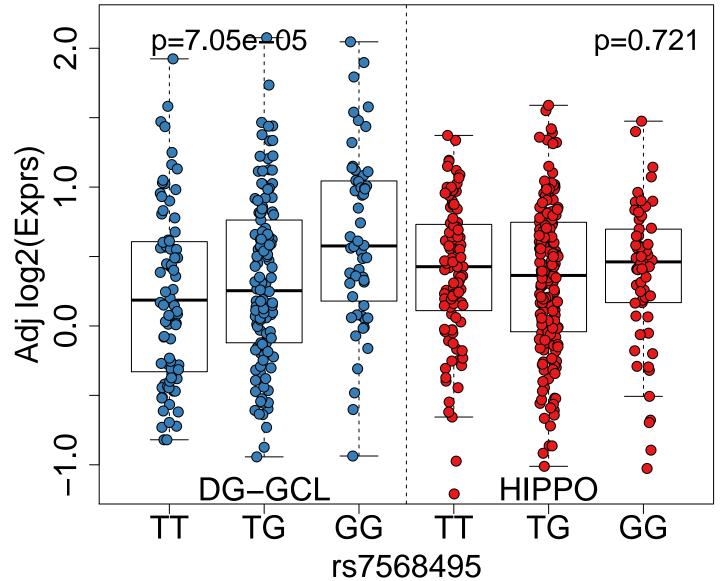
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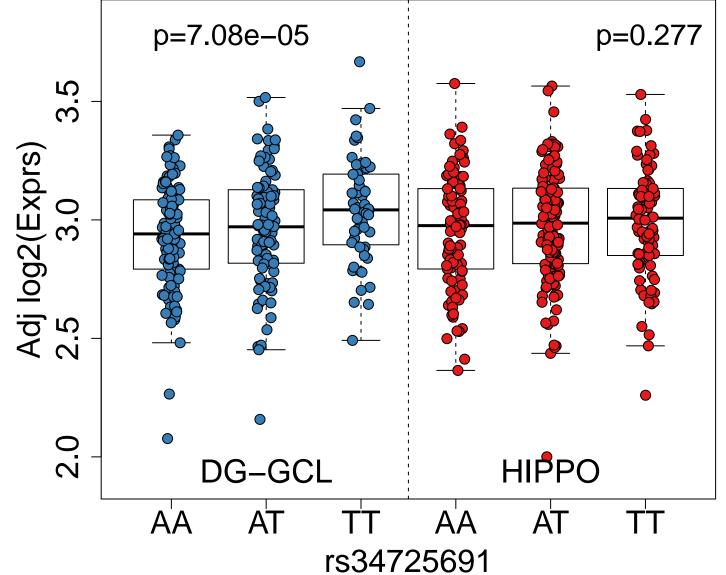
Index: rs12009217 (R^2=0.991) ENSE00001815189.1: NLGN4X



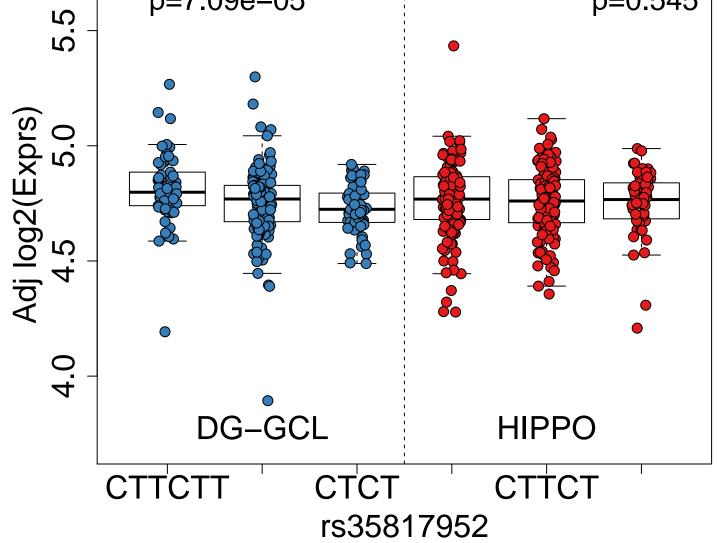
Index: rs1451488 (R^2=0.911) ENSE00001831321.1: SATB2



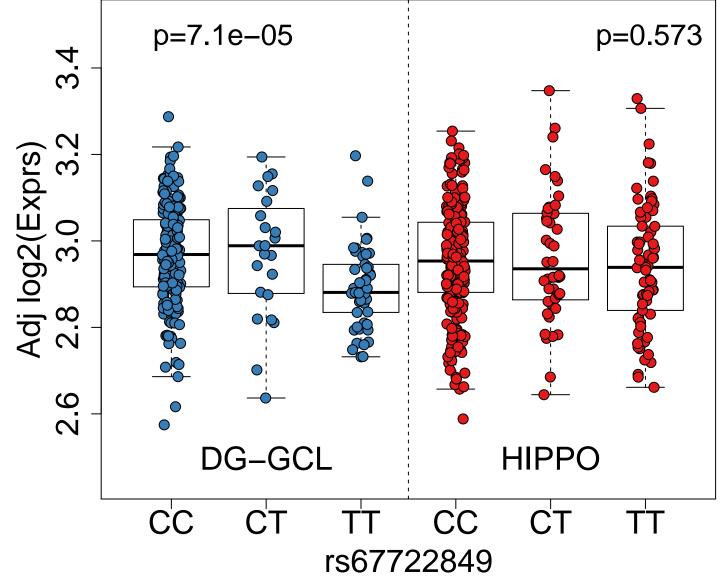
Index: rs7010876 (R^2=0.996) ENSE00003694472.1: MMP16



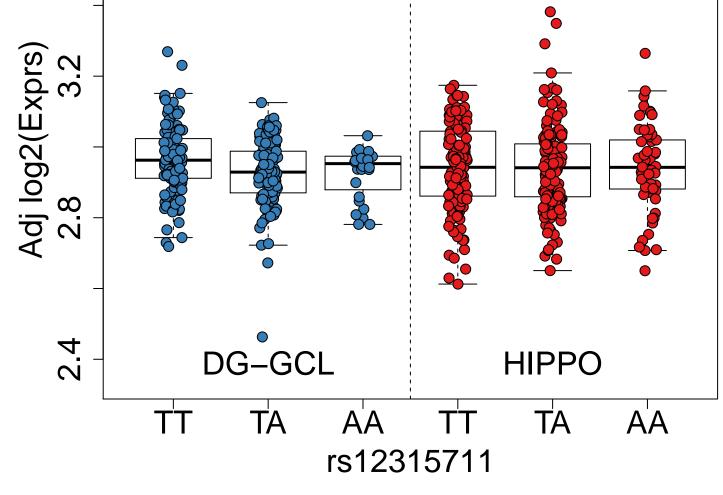
Index: rs2410572 (R^2=0.832) ENSE00003721697.1: PSD3 p=7.09e-05p=0.545



Index: rs12009217 (R^2=0.991) ENSE00001827176.1: NLGN4X

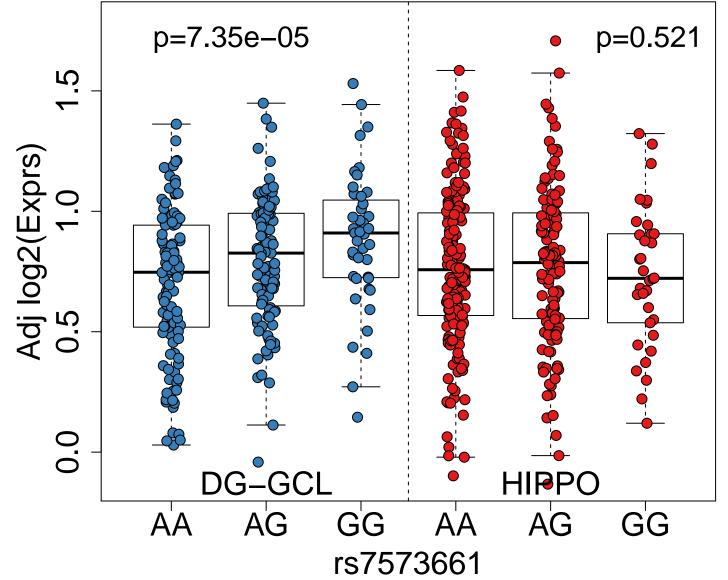


Index: rs2007044 (R^2=0.801) ENSG00000151067.21: CACNA1C p=7.33e-05p=0.0989

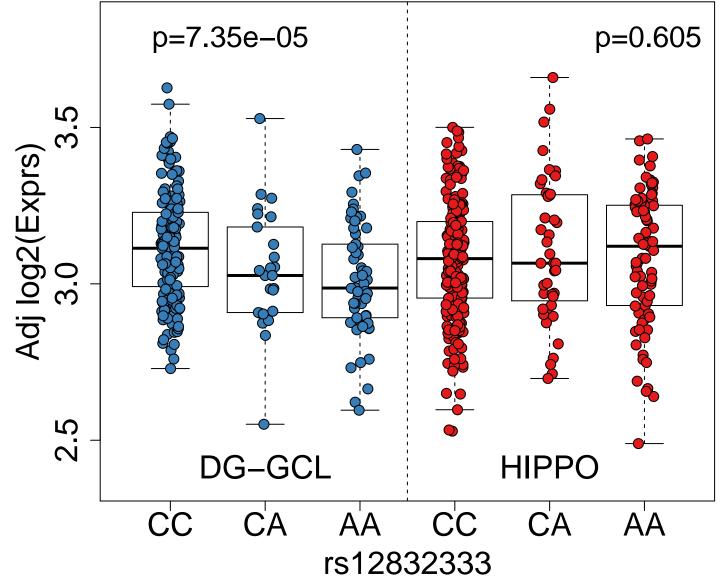


3.6

Index: rs1451488 (R^2=0.907) ENST00000417098.5: SATB2



Index: rs12009217 (R^2=0.984) ENSE00001845879.1: NLGN4X

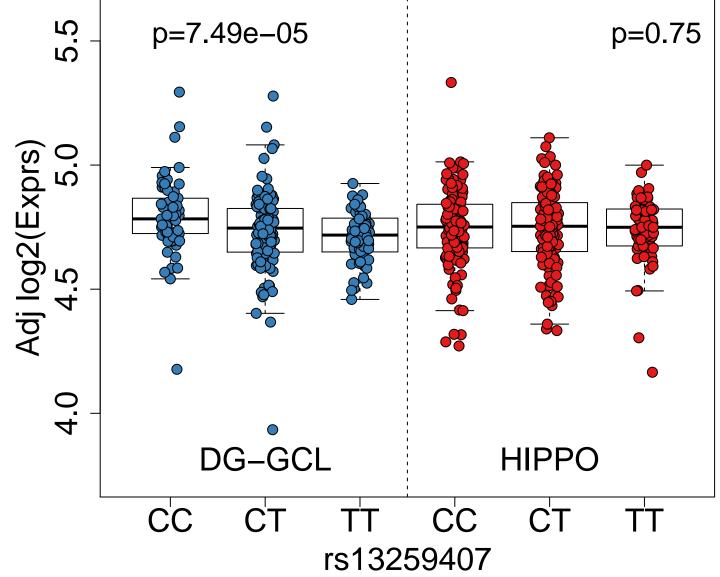


Index: rs2007044 (R^2=0.801) ENSG00000151067.21: CACNA1C 3.6 p=7.45e-05p=0.0996Adj log2(Exprs) 2.8 3.2 DG-GCL **HIPPO** GG GA AA GG GA rs1006737

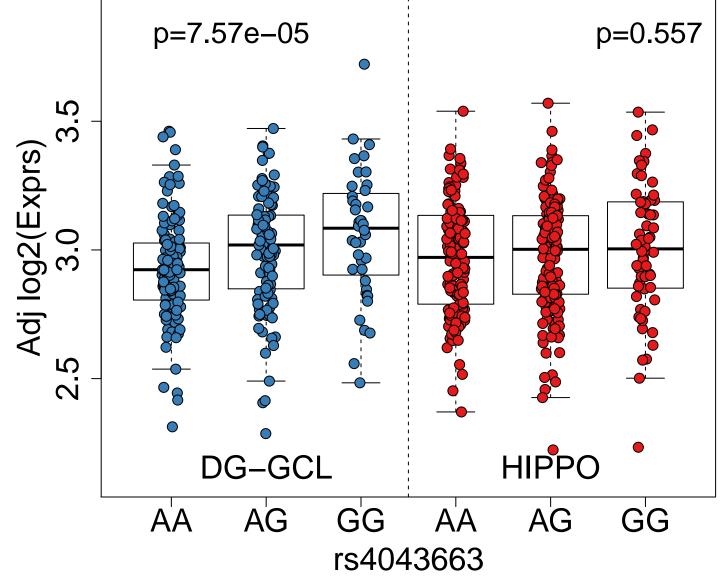
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Index: rs2410572 (R^2=0.865) ENSE00001249934.8: PSD3 5.5 p=7.48e-05p = 0.75Adj log2(Exprs) DG-GCL **HIPPO** CC C_C rs13259407

Index: rs2410572 (R^2=0.865) ENSE00001801145.2: PSD3

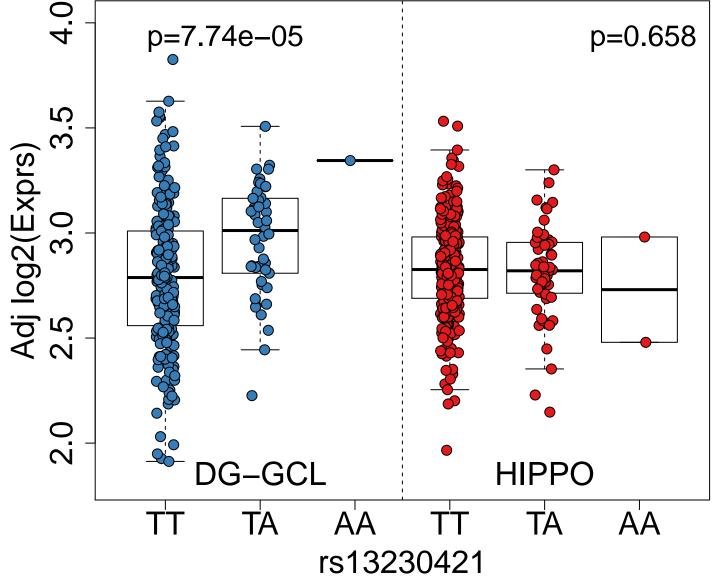


Index: rs7010876 (R^2=0.843) ENSE00003607975.1: MMP16



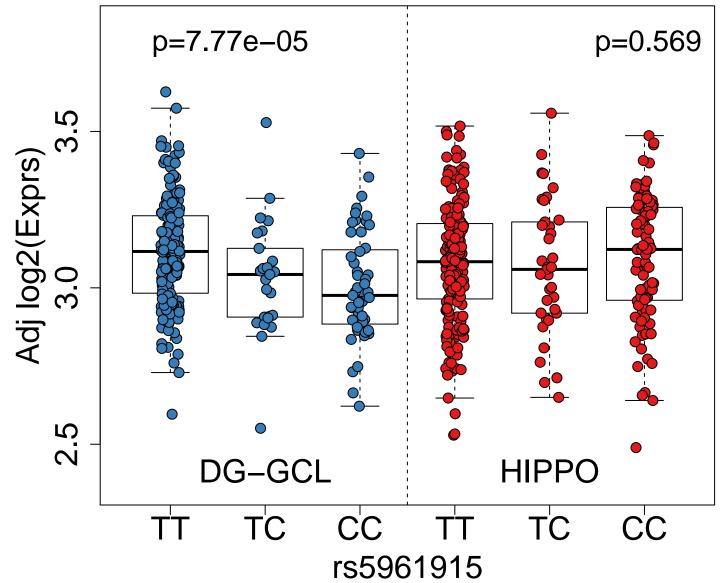
Index: rs2410572 (R^2=0.865) ENSE00003721697.1: PSD3 p=7.73e-05p = 0.9035.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** GG GG **G**T rs7832186

Index: rs12704290 (R^2=0.968) ENSE00001621224.2: GRM3



Index: rs2410572 (R^2=0.828) ENSE00003721697.1: PSD3 p=7.76e-05p=0.4395.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** CC CC 8:18427710:C:T

Index: rs12009217 (R^2=0.824) ENSE00001845879.1: NLGN4X



Index: rs2410572 (R^2=0.844) ENSE00002097299.1: PSD3 p=7.94e-05p=0.2415.5 Adj log2(Exprs) 4.5 5.0 DG-GCL **HIPPO** CC TC TC rs876983

Index: rs2410572 (R^2=0.857) ENSE00002097299.1: PSD3 p=7.95e-05p=0.842DG-GCL **HIPPO**

5.5

Adj log2(Exprs)

4.5

GG

GA

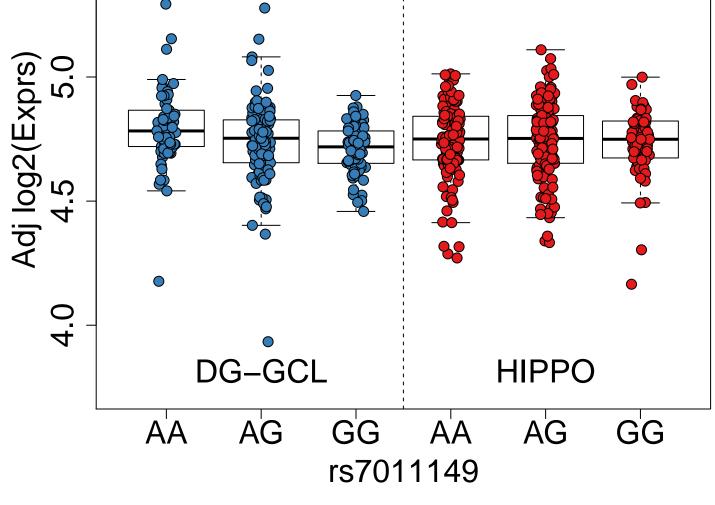
AA

GG

rs7831488

GA

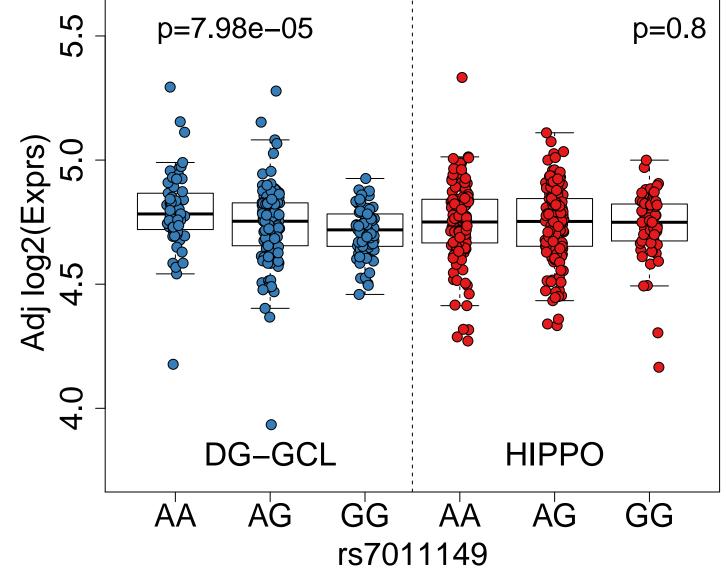
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5.5

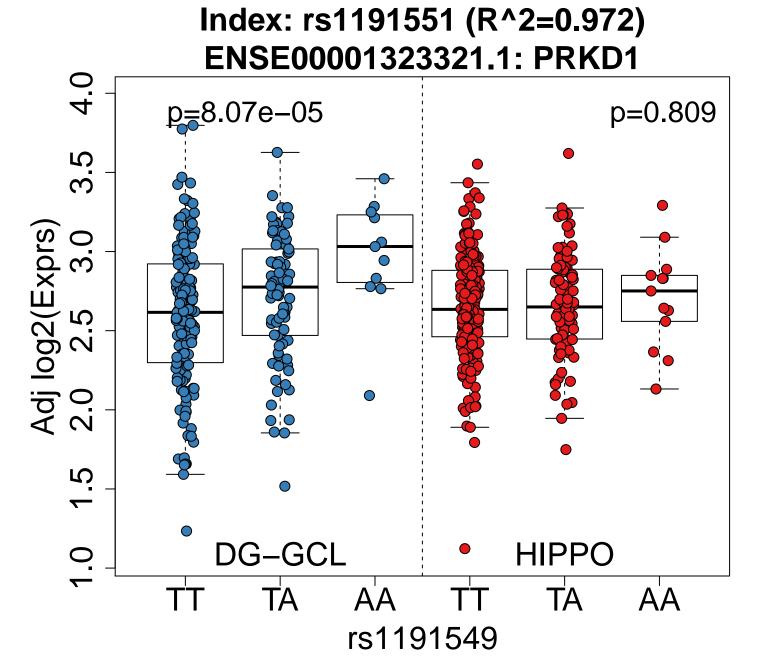
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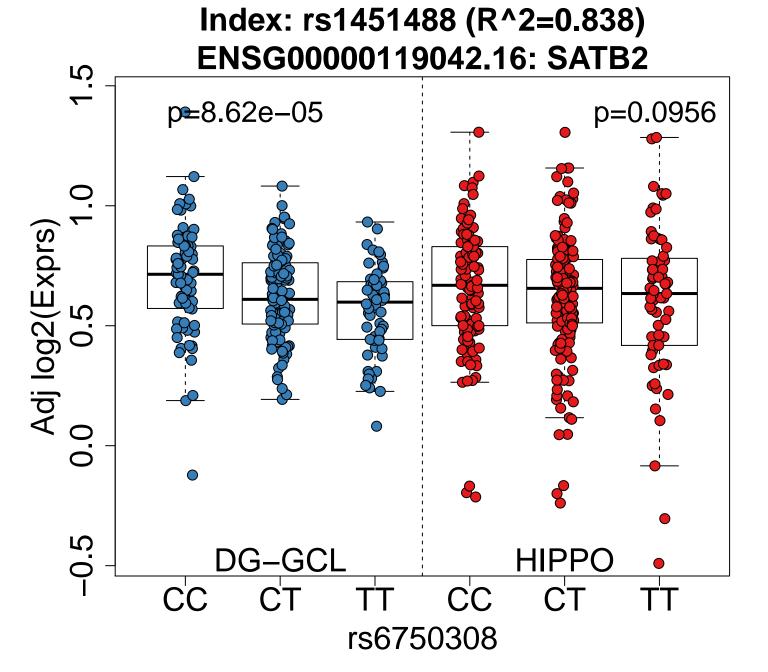
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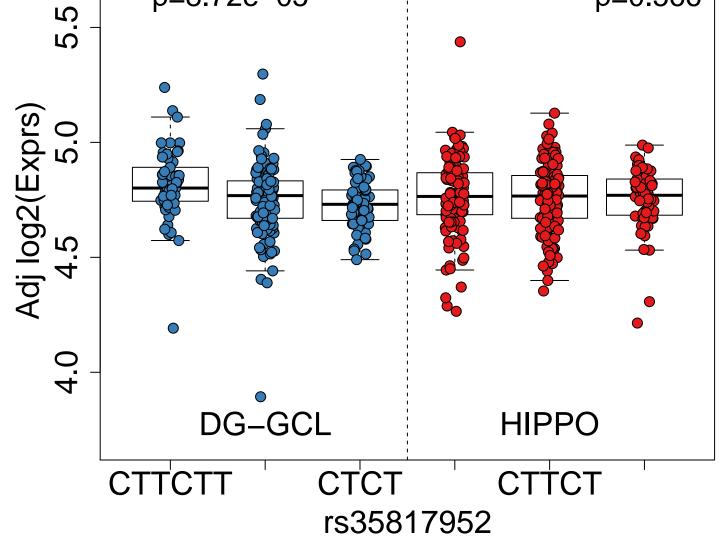
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Index: rs2410572 (R^2=0.844) ENSE00002133383.1: PSD3 p=7.99e-05p=0.2415.5 Adj log2(Exprs) DG-GCL **HIPPO** CC TC TC rs876983

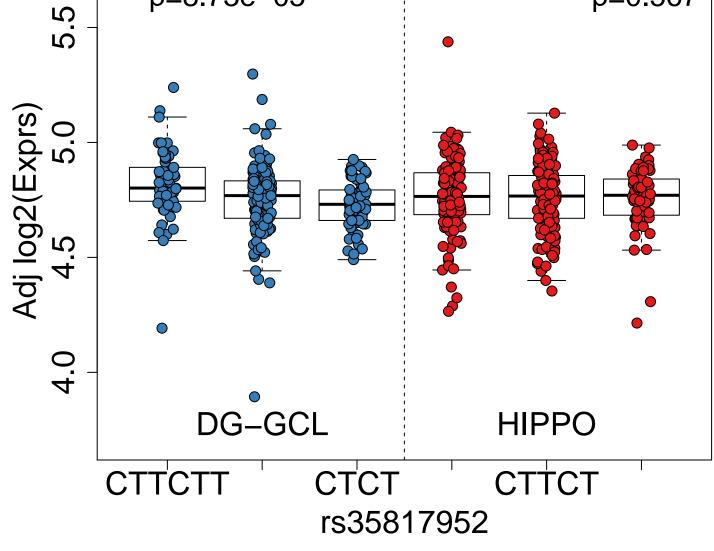




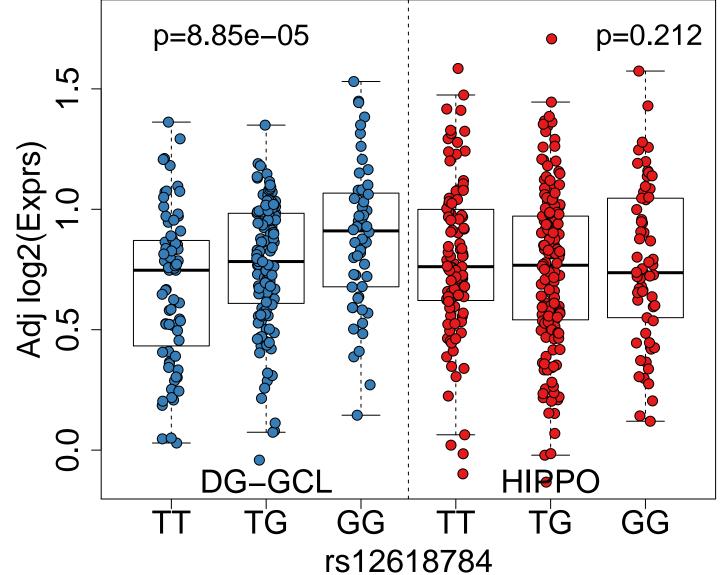
Index: rs2410572 (R^2=0.832) ENSE00002097299.1: PSD3 p=8.72e-05p=0.566



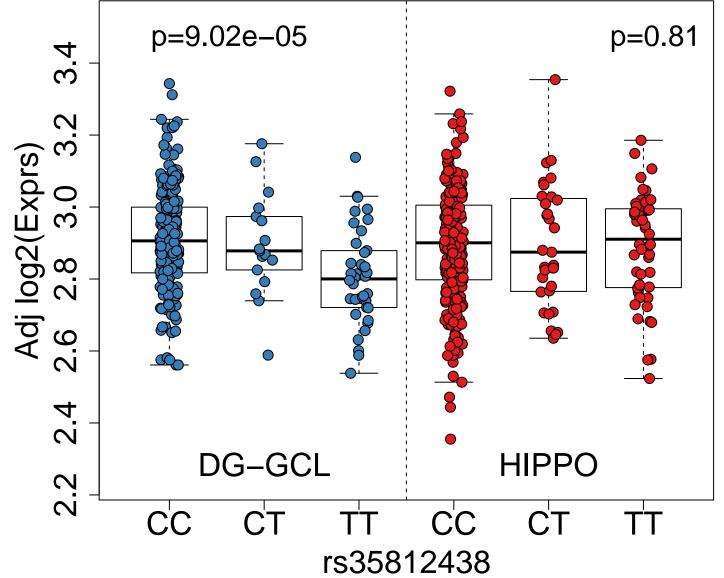
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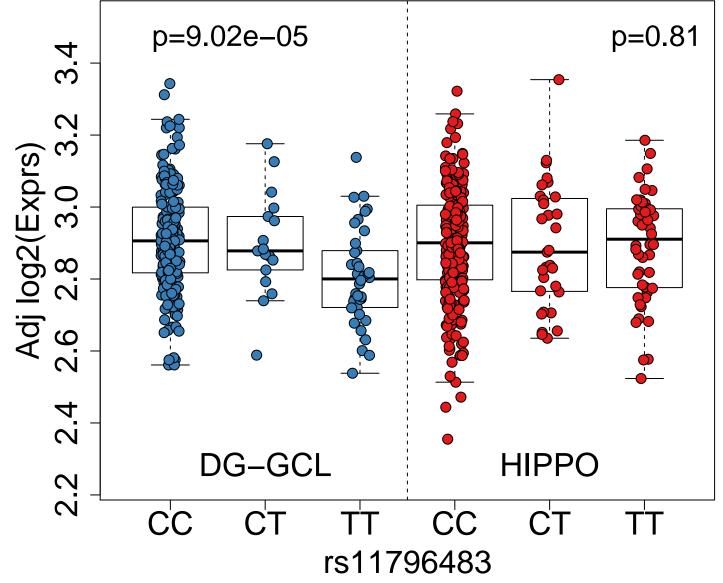
Index: rs1451488 (R^2=0.835) ENST00000417098.5: SATB2



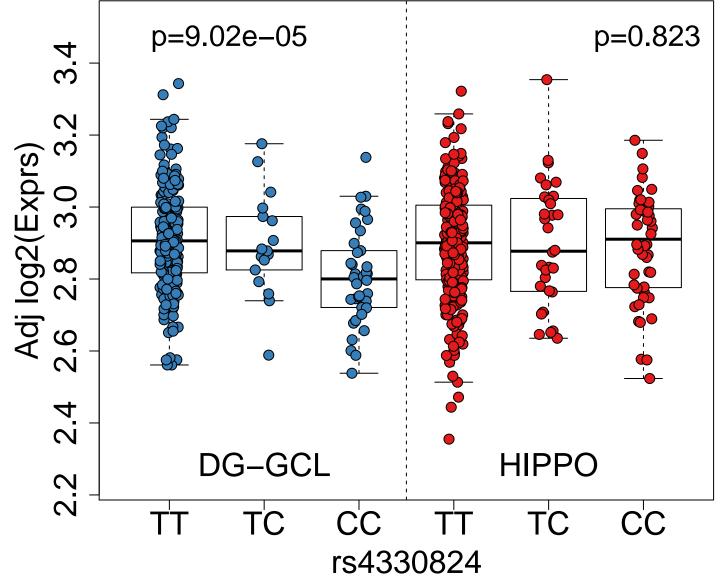
Index: rs12009217 (R^2=0.949) ENSE00001648911.1: NLGN4X

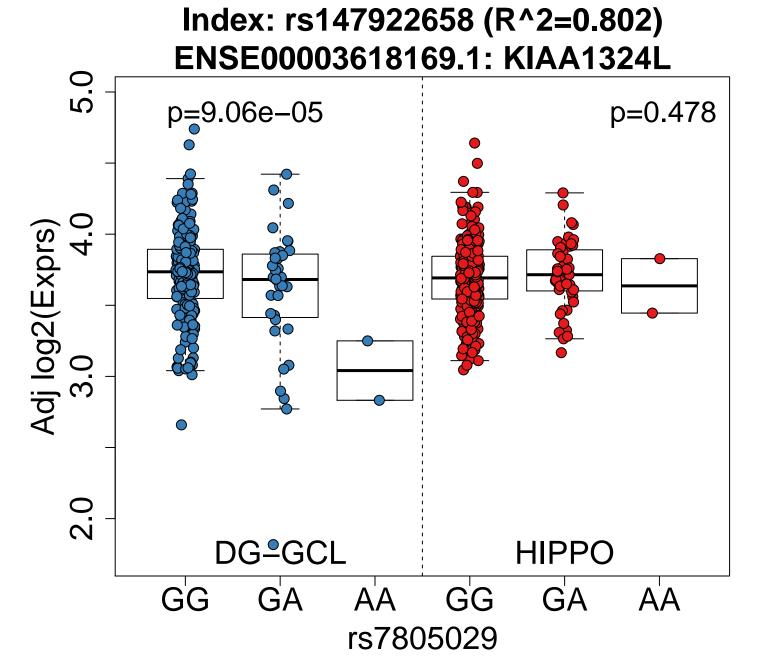


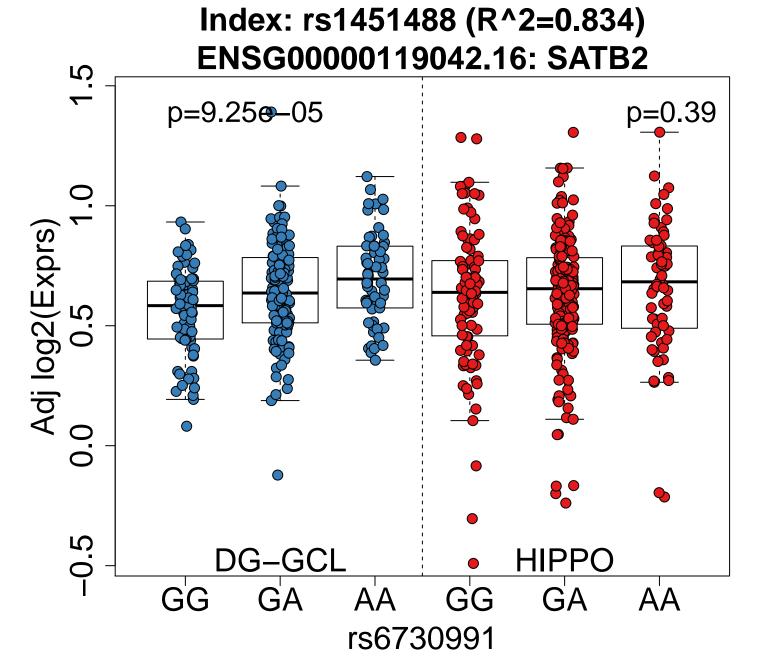
Index: rs12009217 (R^2=0.941) ENSE00001648911.1: NLGN4X

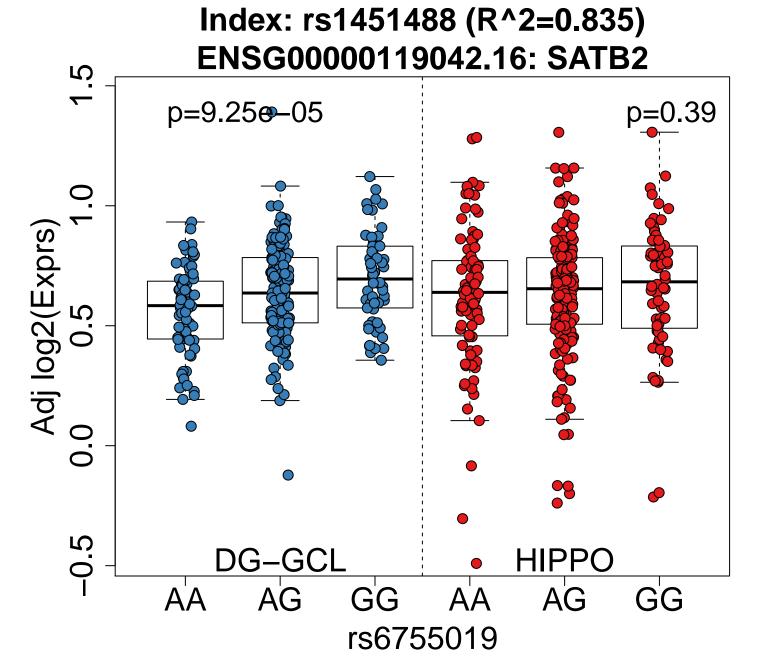


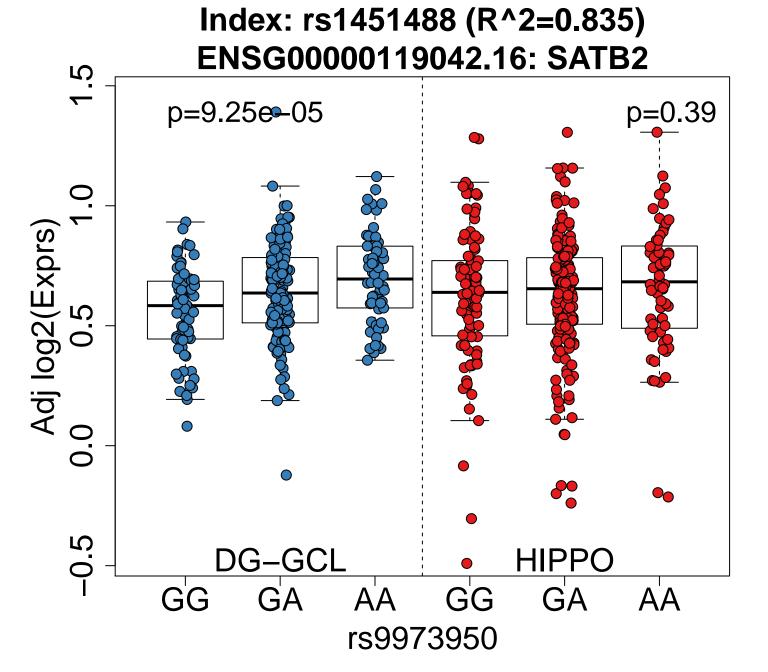
Index: rs12009217 (R^2=0.958) ENSE00001648911.1: NLGN4X

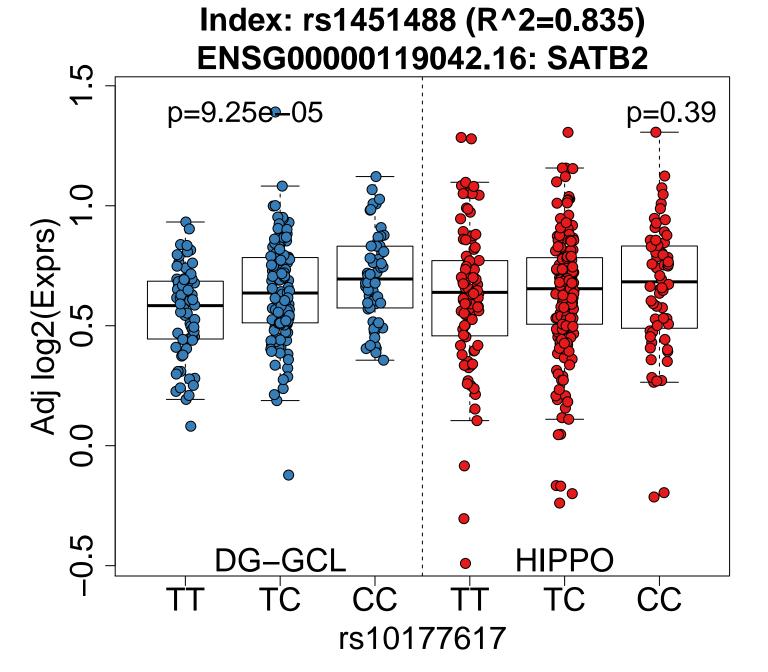


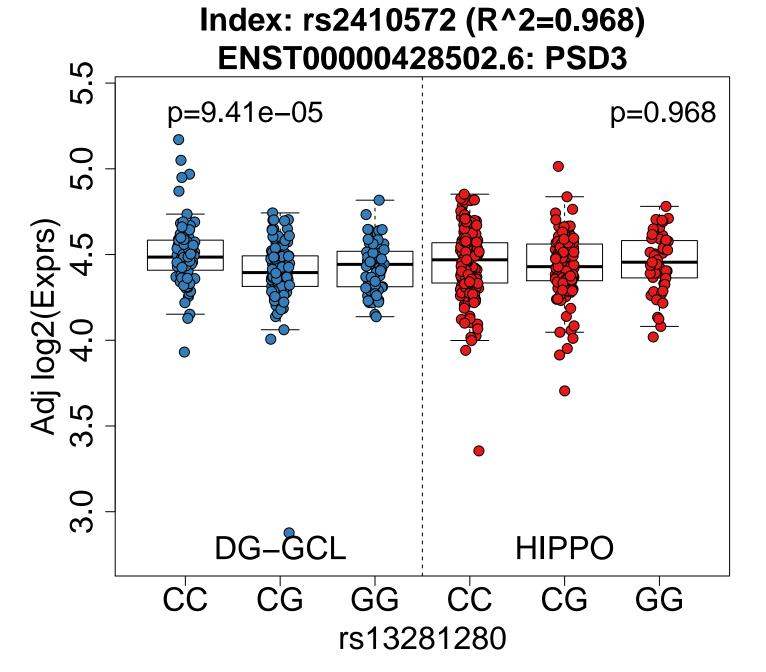








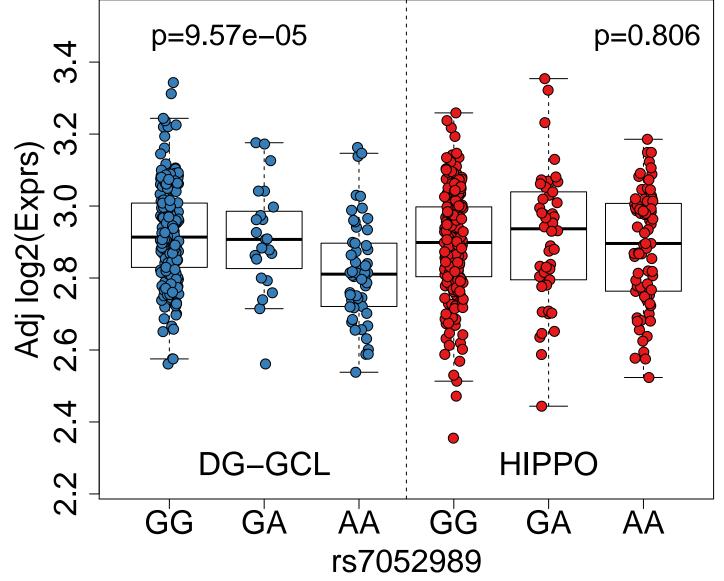




Index: rs2410572 (R^2=0.828) ENSE00002097299.1: PSD3 p=9.51e-05p = 0.465.5 Adj log2(Exprs) 4.5 5.0 DG-GCL **HIPPO** CC CC 8:18427710:C:T

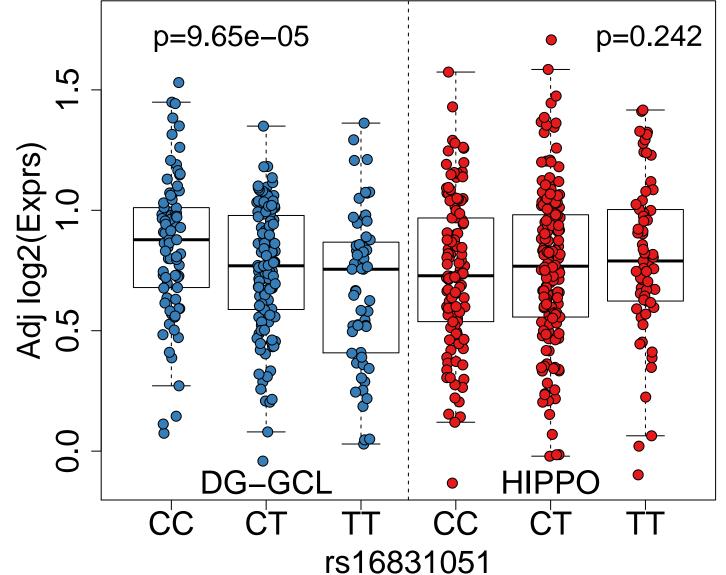
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Index: rs12009217 (R^2=0.974) ENSE00001648911.1: NLGN4X



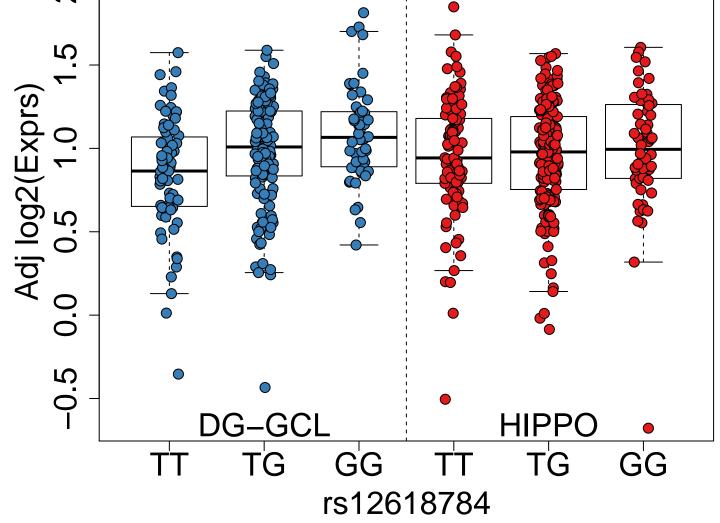
Index: rs2410572 (R^2=0.865) ENSE00002097299.1: PSD3 p=9.64e-05p=0.9185.5 Adj log2(Exprs) DG-GCL **HIPPO** GG GG rs7832186

Index: rs1451488 (R^2=0.88) ENST00000417098.5: SATB2



Index: rs2410572 (R^2=0.865) ENSE00002133383.1: PSD3 p=9.67e-05p=0.9195.5 Adj log2(Exprs) DG-GCL **HIPPO** GG GG rs7832186

Index: rs1451488 (R^2=0.835) ENSE00000934548.1: SATB2 p=9.86e-05p=0.449



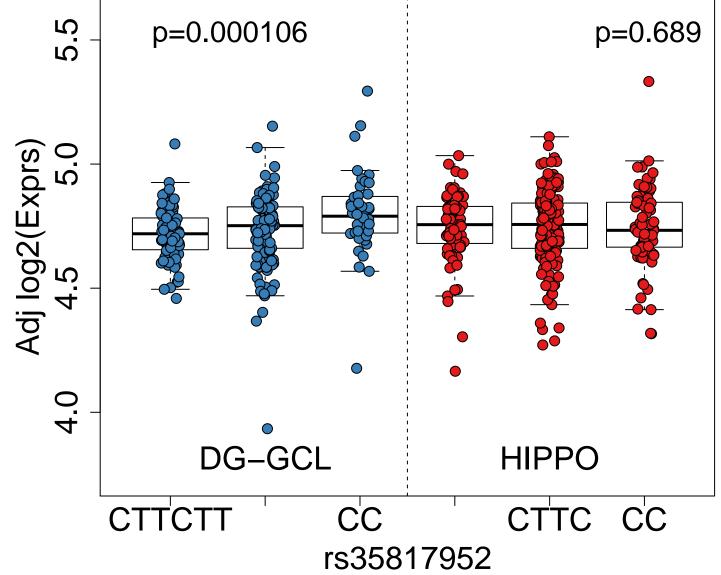
Index: rs2410572 (R^2=0.857) ENSE00003721697.1: PSD3 p=9.88e-05p=0.7715.5 Adj log2(Exprs) <u>ئ</u> DG-GCL **HIPPO** GG AG ΑΑ GG AA AG rs7011149

Index: rs2410572 (R^2=0.857) ENSE00003721697.1: PSD3 p=0.000103 p=0.6865.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** ΑΑ ΑA rs13278204

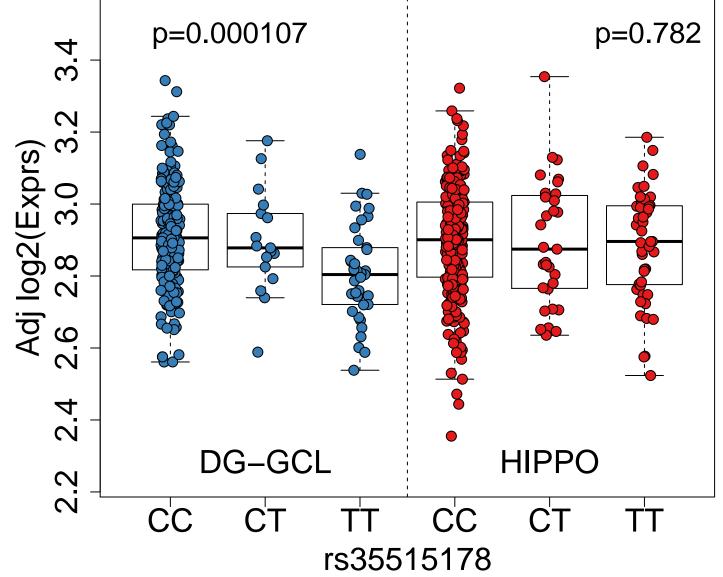
Index: rs2410572 (R^2=0.865) ENSE00003721697.1: PSD3 p=0.000103 p = 0.735.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** GG GG rs35454369

Index: rs2410572 (R^2=0.832) ENSE00001249934.8: PSD3 5.5 p=0.000106 p=0.689Adj log2(Exprs) 4.5 5.0 DG-GCL **HIPPO** CTTC CC CTT'CTT CC rs35817952

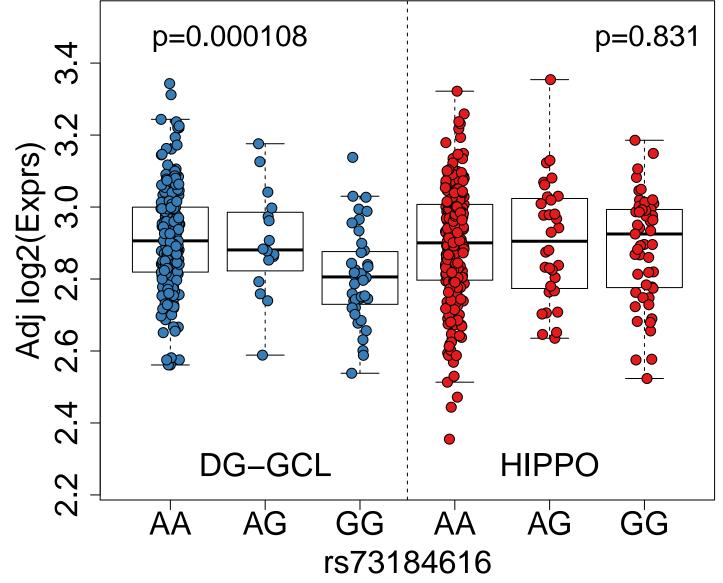
Index: rs2410572 (R^2=0.832) ENSE00001801145.2: PSD3



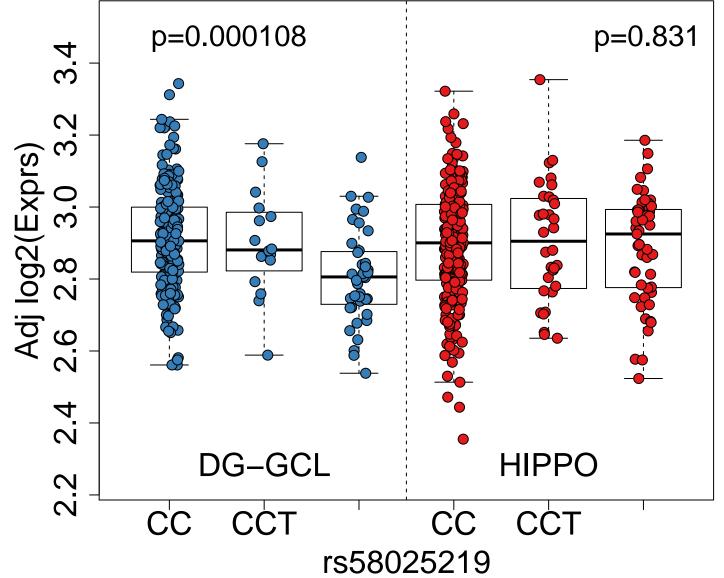
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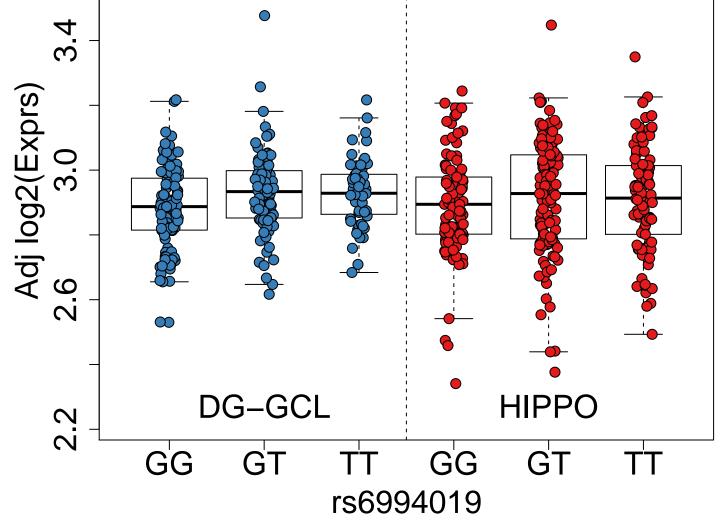
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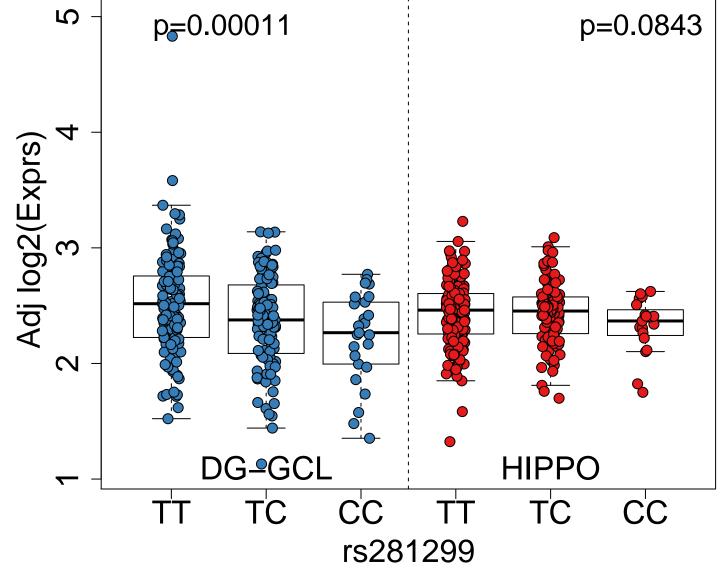
Index: rs12009217 (R^2=0.958) ENSE00001648911.1: NLGN4X



Index: rs7010876 (R^2=0.923) ENSG00000156103.15: MMP16 p=0.000109 p = 0.38

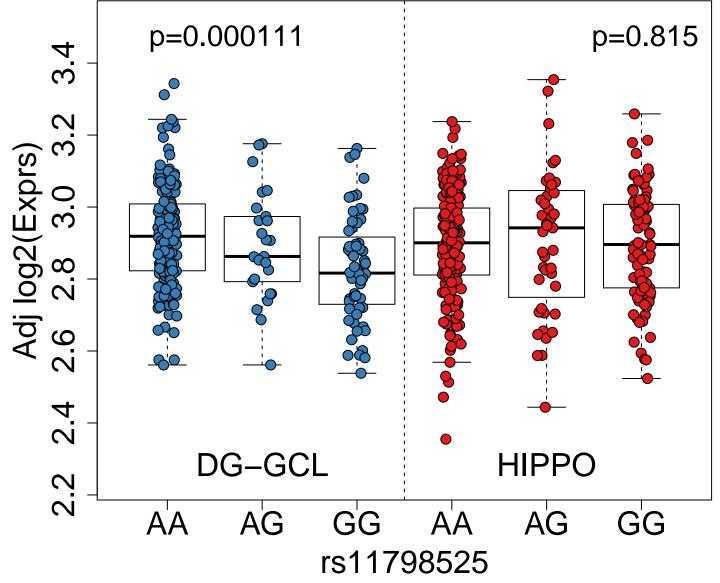


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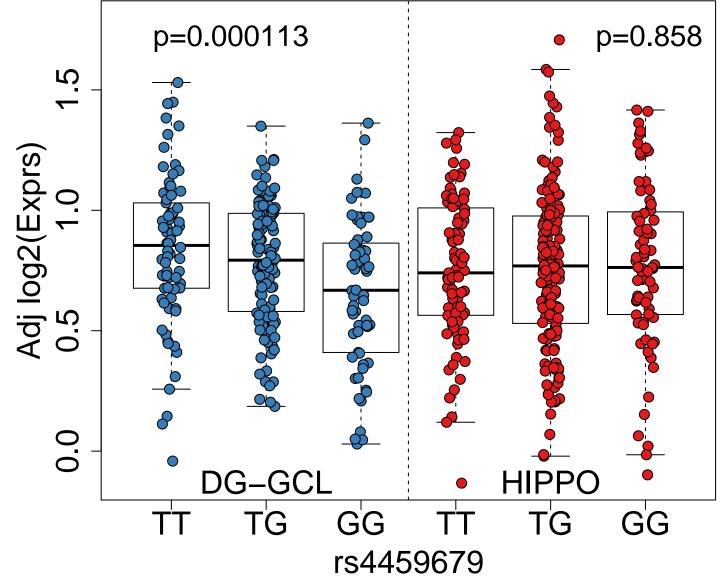
Index: rs2410572 (R^2=0.865) ENSE00003721697.1: PSD3 p=0.000111 p = 0.735.5 Adj log2(Exprs) 3 DG-GCL **HIPPO** CC CC rs13259407

Index: rs12009217 (R^2=0.956) ENSE00001648911.1: NLGN4X

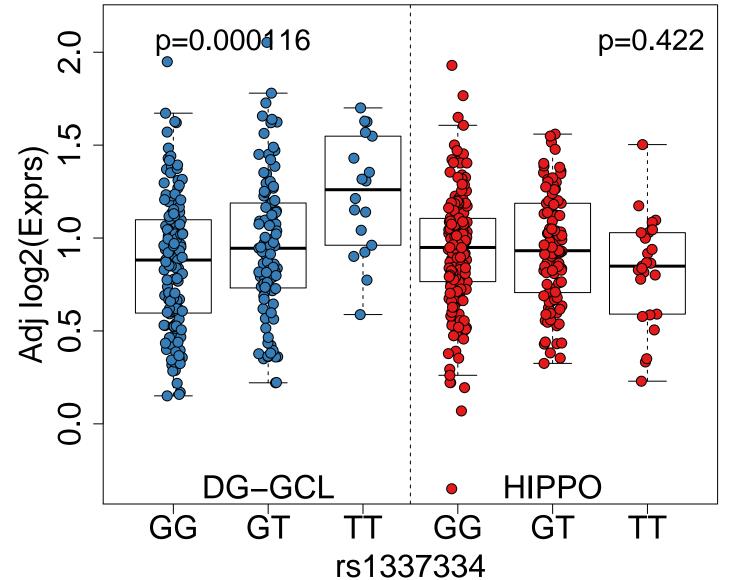


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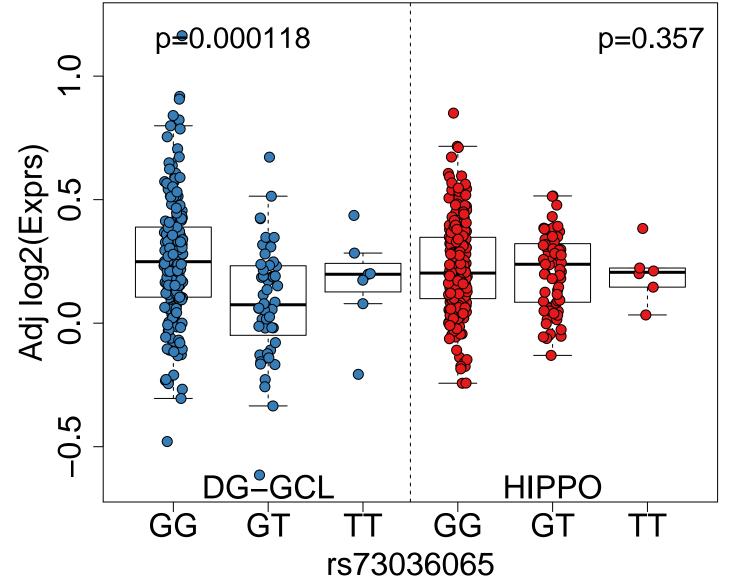
Index: rs1451488 (R^2=0.81) ENST00000417098.5: SATB2



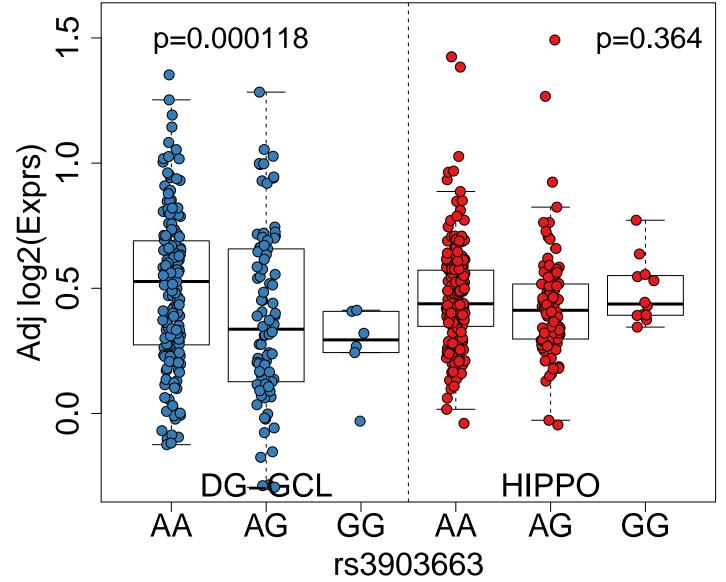
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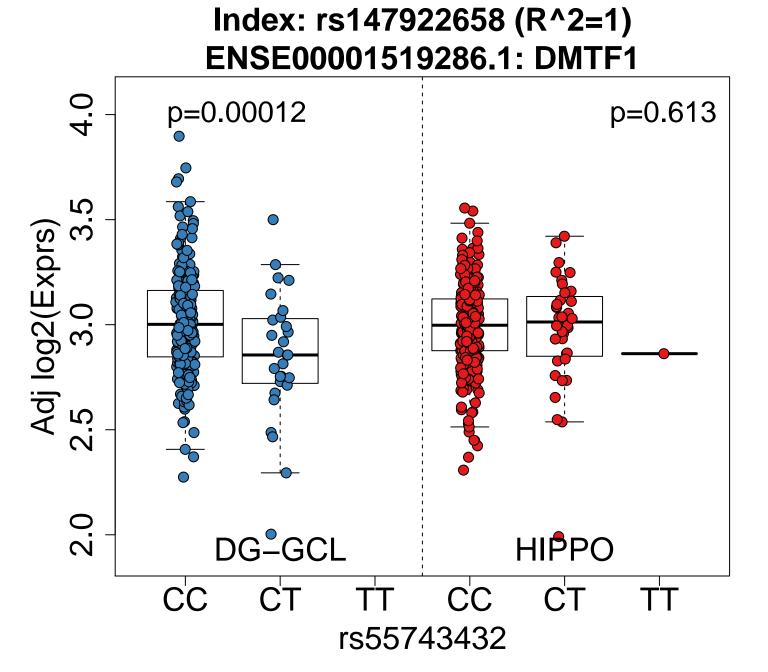
Index: rs4936215 (R^2=0.802) ENSE00001559691.1: IGSF9B



Index: rs35736453 (R^2=1) ENSG00000172673.10: THEMIS



Index: rs7010876 (R^2=0.803) ENSG00000156103.15: MMP16 p=0.000118 p=0.323Adj log2(Exprs) DG-GCL **HIPPO** 2.2 AAAA rs11986810

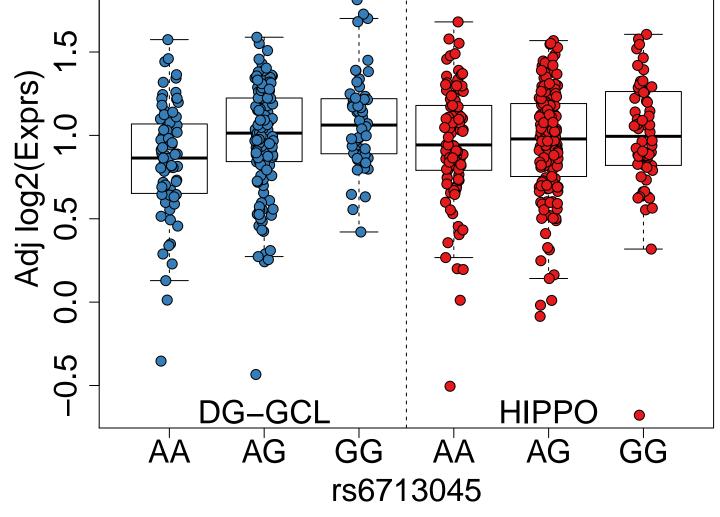


Index: rs147922658 (R^2=1) ENSE00001519286.1: DMTF1 p=0.00012p=0.6133.5 Adj log2(Exprs) 2.5 3.0 3.4 DG-GCL HIPPO ATAT AA AAT rs113684611

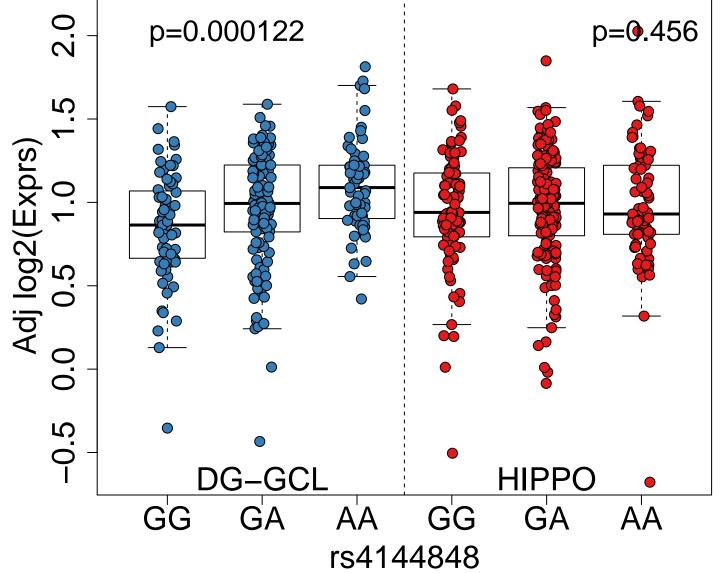
Index: rs2410572 (R^2=0.857) ENSE00002097299.1: PSD3 p=0.000121 p=0.7945.5 Adj log2(Exprs) DG-GCL **HIPPO** GG ΑĠ ΑΑ GG ΑA AG rs7011149

Index: rs2410572 (R^2=0.857) ENSE00002133383.1: PSD3 p=0.000121 p=0.7955.5 Adj log2(Exprs) 4.5 DG-GCL **HIPPO** GG ΑĠ ΑΑ GG ΑA AG rs7011149

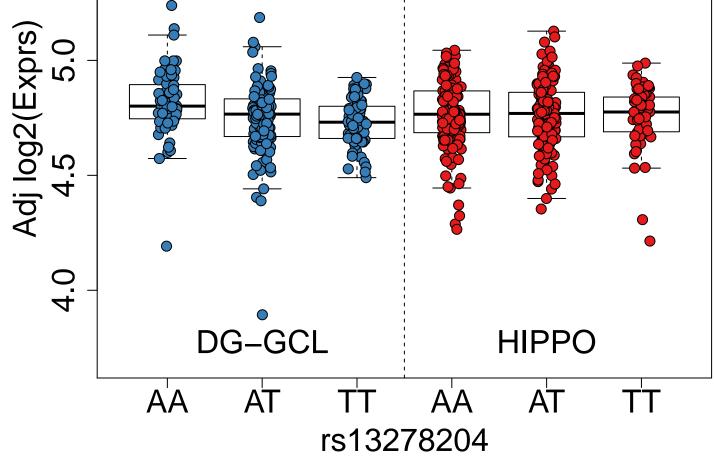
Index: rs1451488 (R^2=0.835) ENSE00000934548.1: SATB2 p=0.000122 p = 0.449



Index: rs1451488 (R^2=0.876) ENSE00000934548.1: SATB2



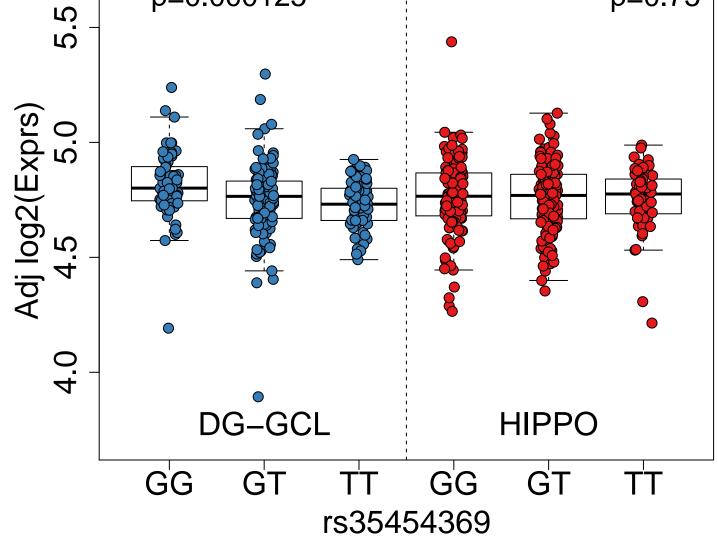
Index: rs2410572 (R^2=0.857) ENSE00002097299.1: PSD3 p=0.000124 p=0.708



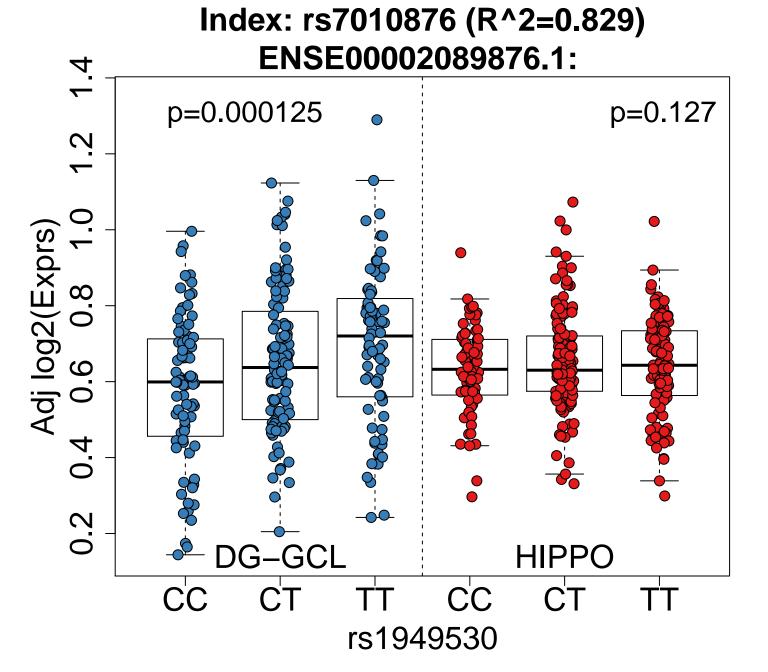
5.5

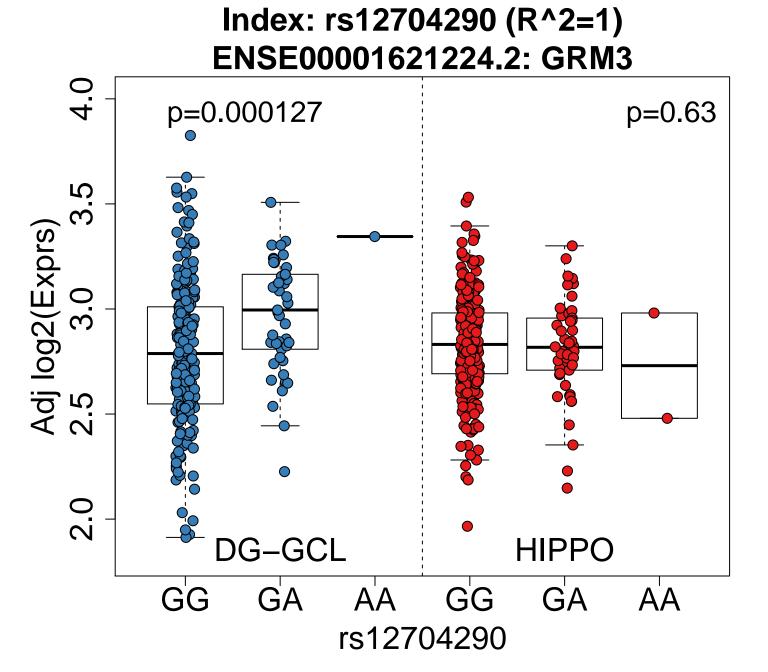
Index: rs2410572 (R^2=0.857) ENSE00002133383.1: PSD3 p=0.000124 p=0.7095.5 Adj log2(Exprs) DG-GCL **HIPPO** ΑΑ ΑA rs13278204

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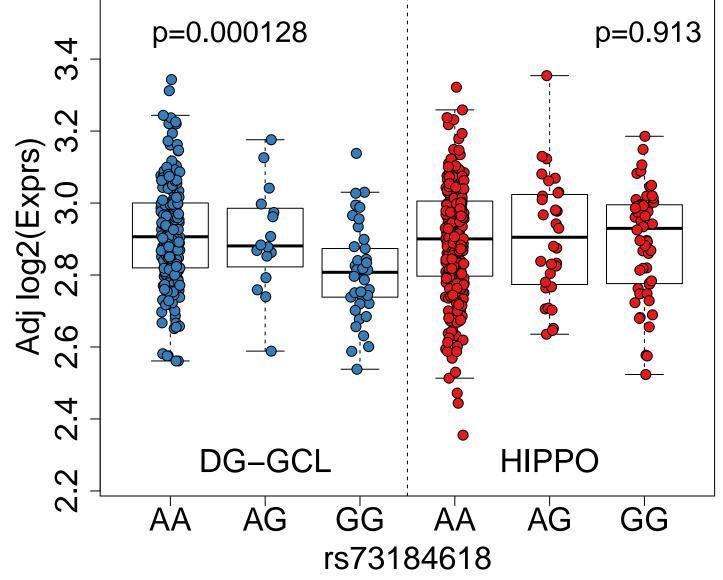


Index: rs2410572 (R^2=0.865) ENSE00002133383.1: PSD3 p=0.000125 p=0.7515.5 Adj log2(Exprs) DG-GCL **HIPPO** GG GG rs35454369

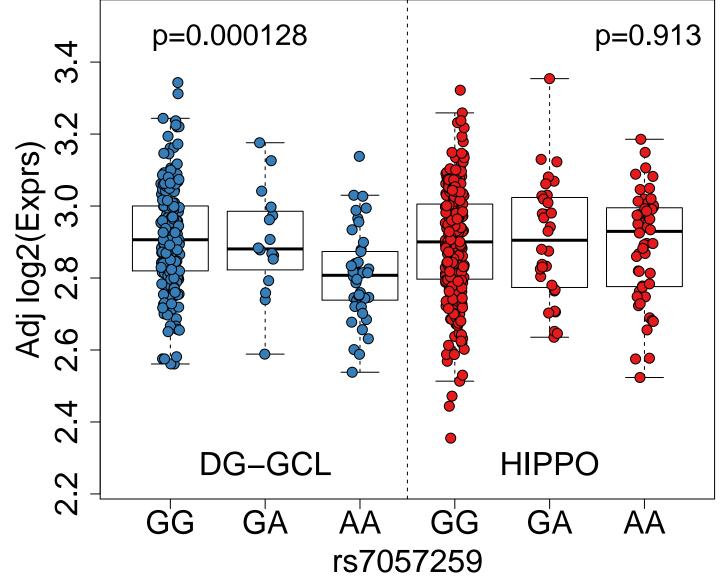




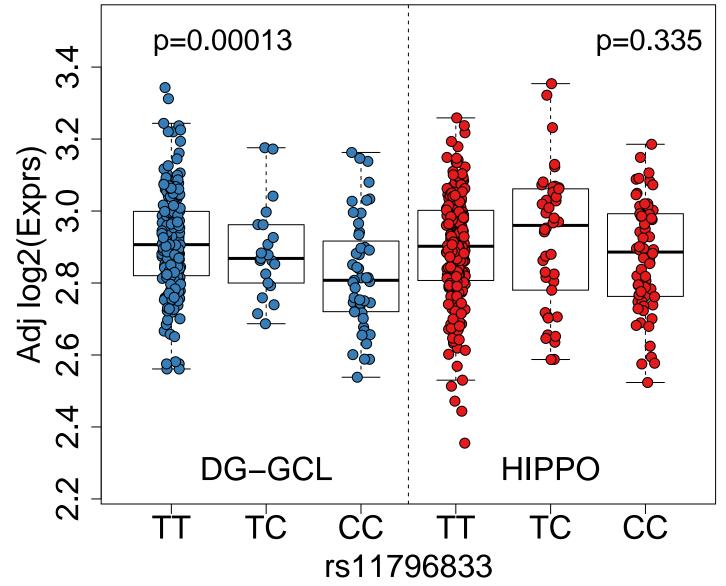
Index: rs12009217 (R^2=0.958) ENSE00001648911.1: NLGN4X



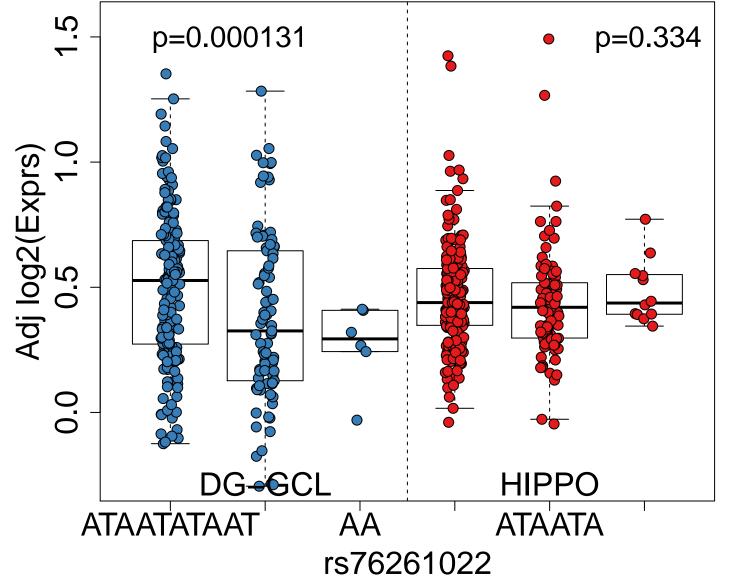
Index: rs12009217 (R^2=0.941) ENSE00001648911.1: NLGN4X



Index: rs12009217 (R^2=1) ENSE00001648911.1: NLGN4X



Index: rs35736453 (R^2=1) ENSG00000172673.10: THEMIS

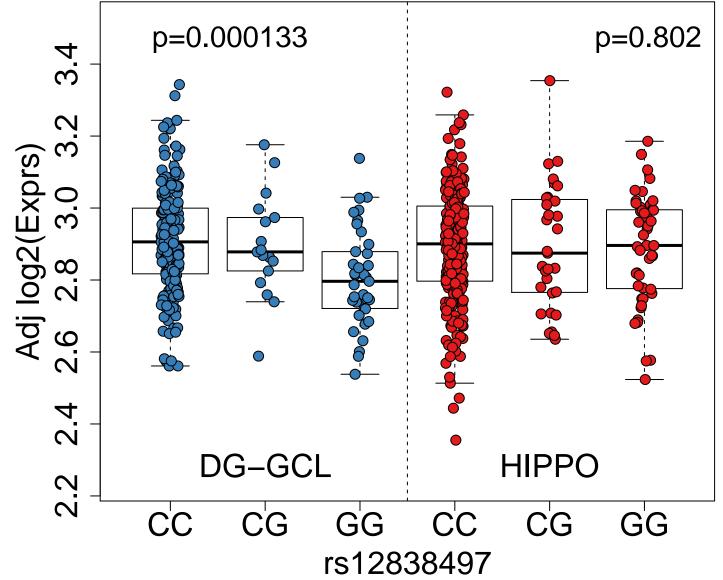


Index: rs2410572 (R^2=0.865) ENSE00002097299.1: PSD3 p=0.000132 p = 0.755.5 Adj log2(Exprs) DG-GCL **HIPPO** CC C_C rs13259407

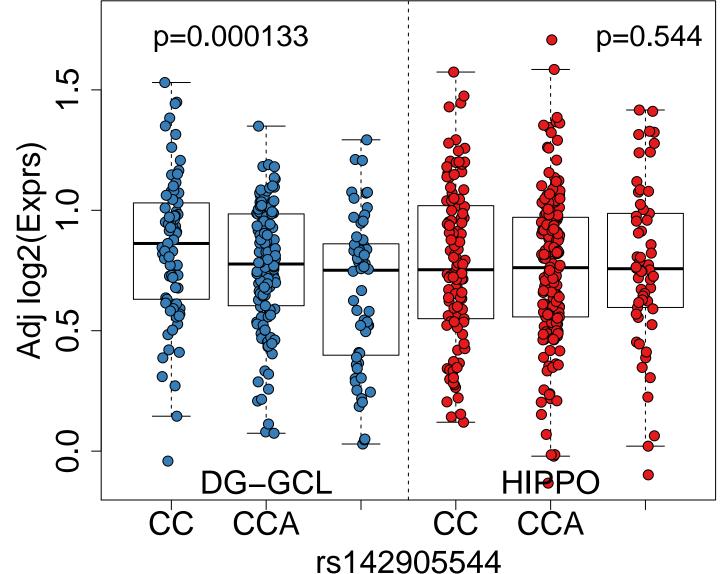
Index: rs2410572 (R^2=0.832) ENSG00000156011.16: PSD3 p=0.000133p=0.896Adj log2(Exprs) 5.5 DG-GCL **HIPPO** 4.5 CTTC CC CTTCTT CC rs35817952

Index: rs2410572 (R^2=0.865) ENSE00002133383.1: PSD3 p=0.000133 p=0.7515.5 Adj log2(Exprs) DG-GCL **HIPPO** CC CC rs13259407

Index: rs12009217 (R^2=0.949) ENSE00001648911.1: NLGN4X

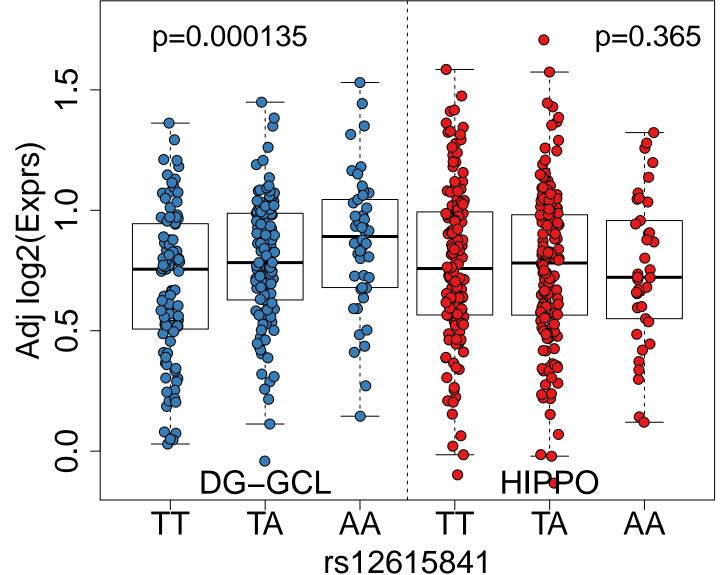


Index: rs1451488 (R^2=0.814) ENST00000417098.5: SATB2

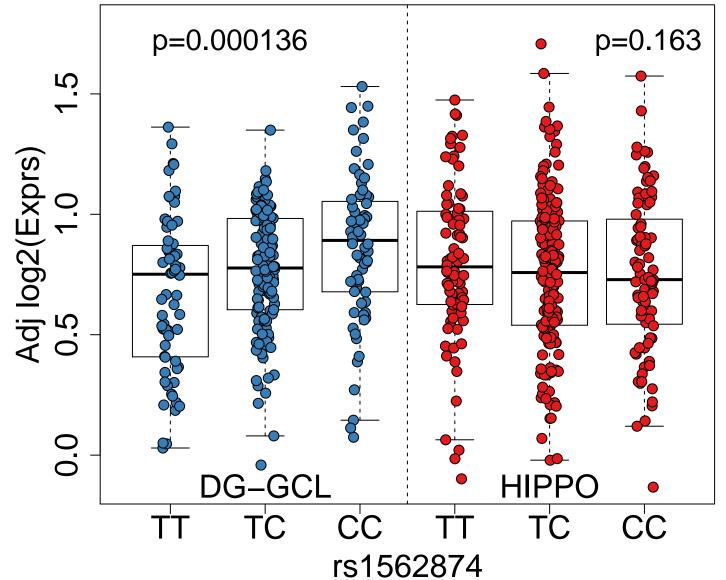


Index: rs2410572 (R^2=0.865) ENSG00000156011.16: PSD3 p=0.000135 p=0.481Adj log2(Exprs) DG-GCL **HIPPO** 4.5 GG GG **G**T rs7832186

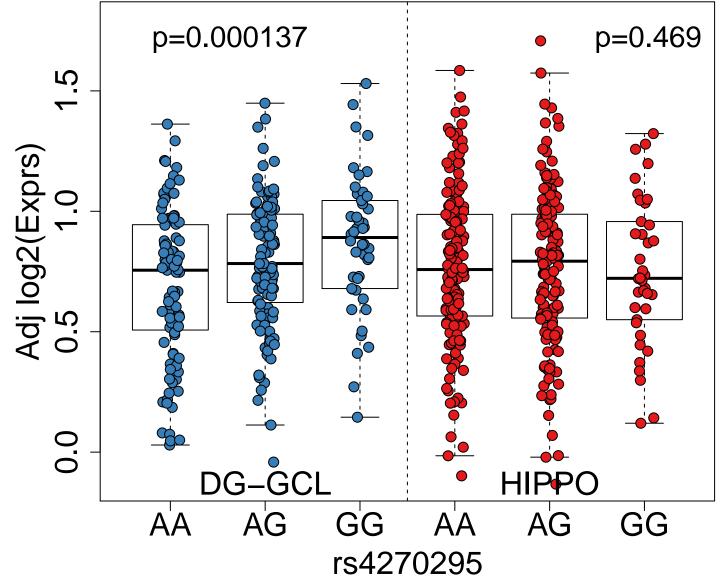
Index: rs1451488 (R^2=0.907) ENST00000417098.5: SATB2



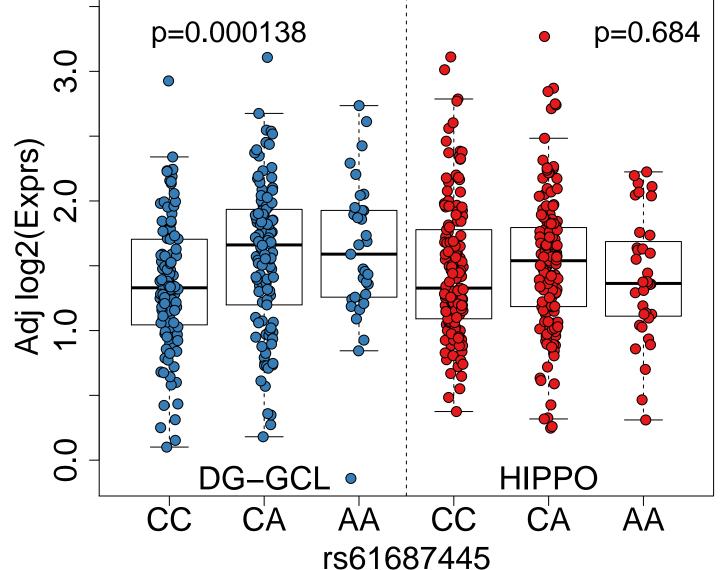
Index: rs1451488 (R^2=0.873) ENST00000417098.5: SATB2



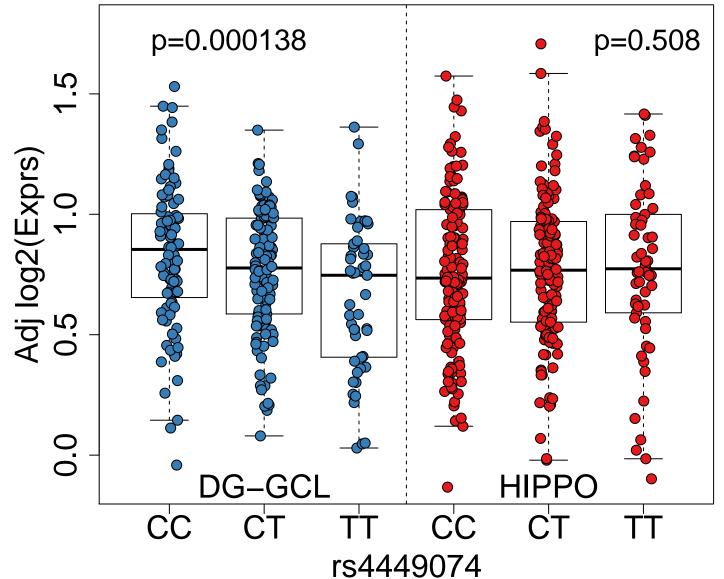
Index: rs1451488 (R^2=0.907) ENST00000417098.5: SATB2



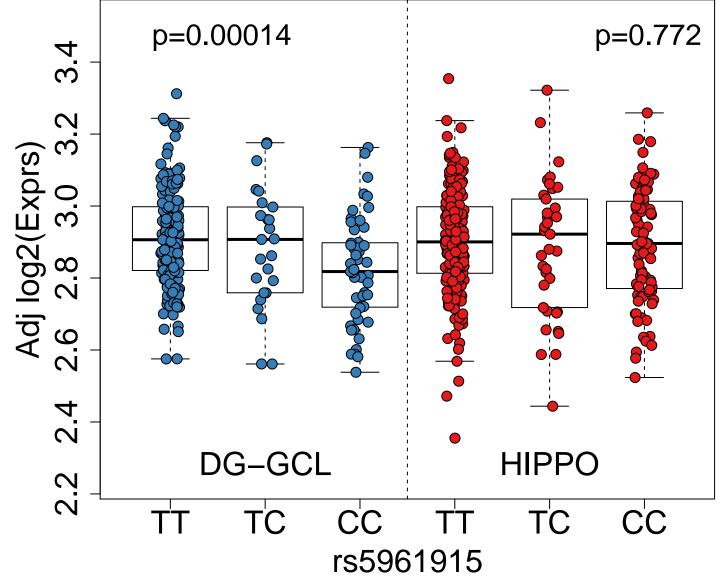
Index: rs4936277 (R^2=0.932) ENSE00002207903.1: TMPRSS5



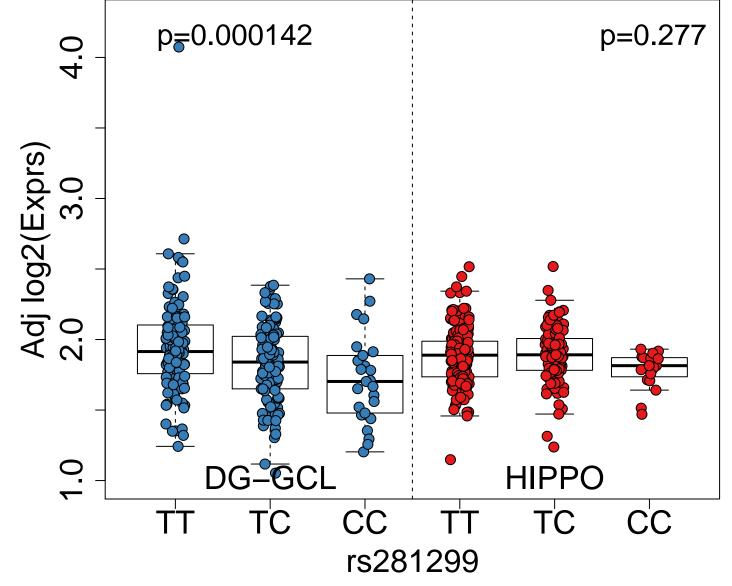
Index: rs1451488 (R^2=0.81) ENST00000417098.5: SATB2

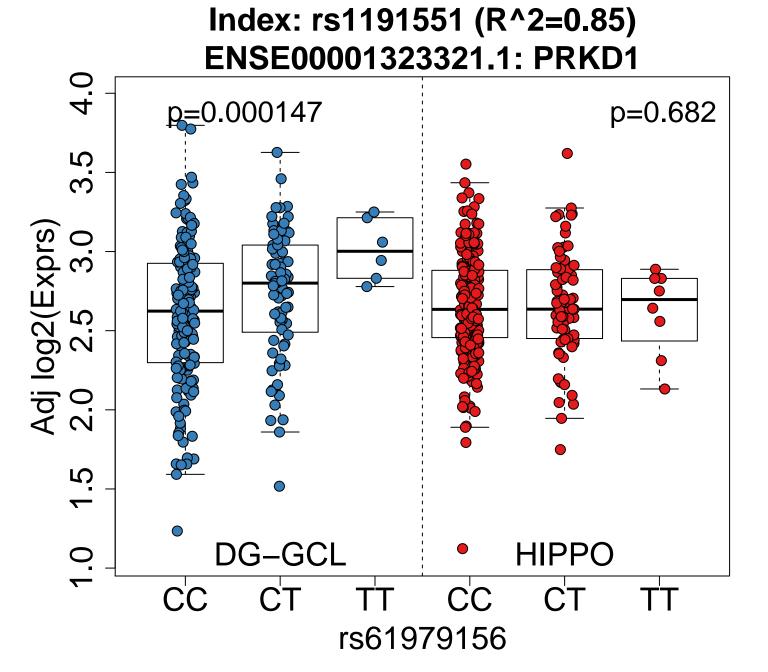


Index: rs12009217 (R^2=0.824) ENSE00001648911.1: NLGN4X

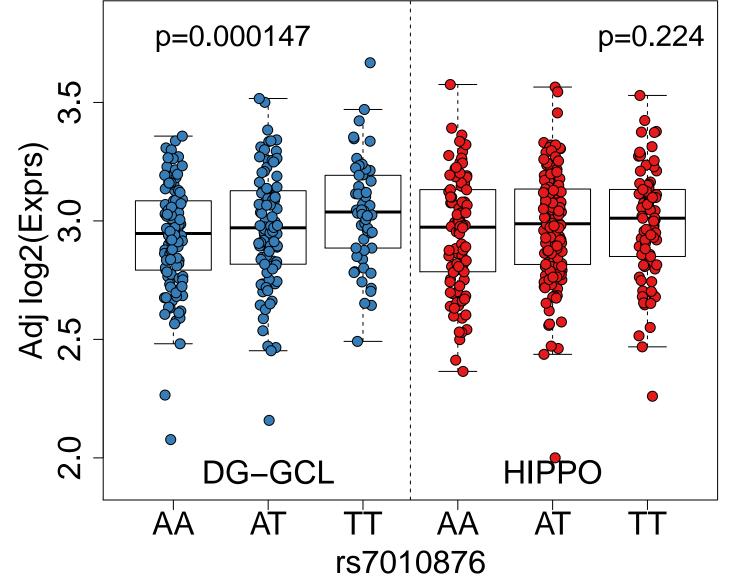


Index: rs281299 (R^2=1) ENSE00002298011.1: SEMA6D



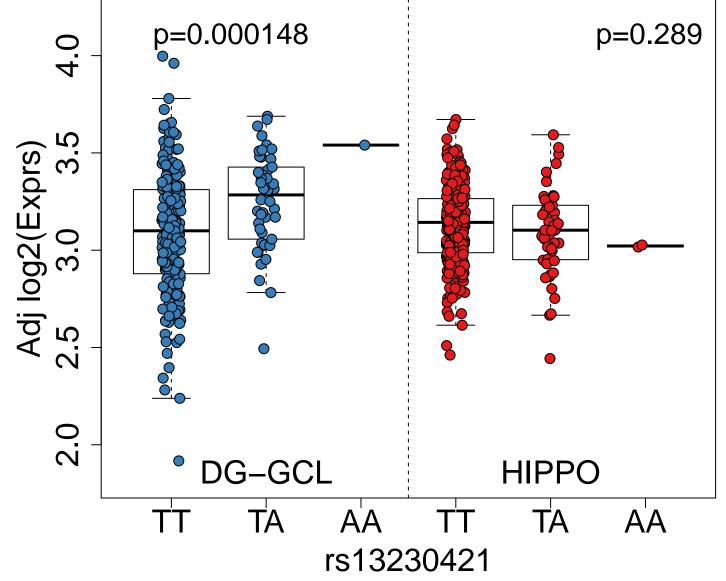


Index: rs7010876 (R^2=1) ENSE00003694472.1: MMP16

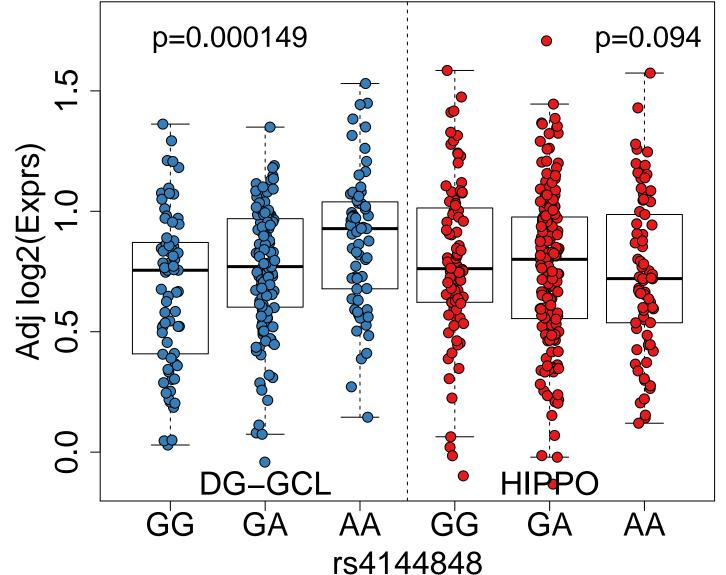


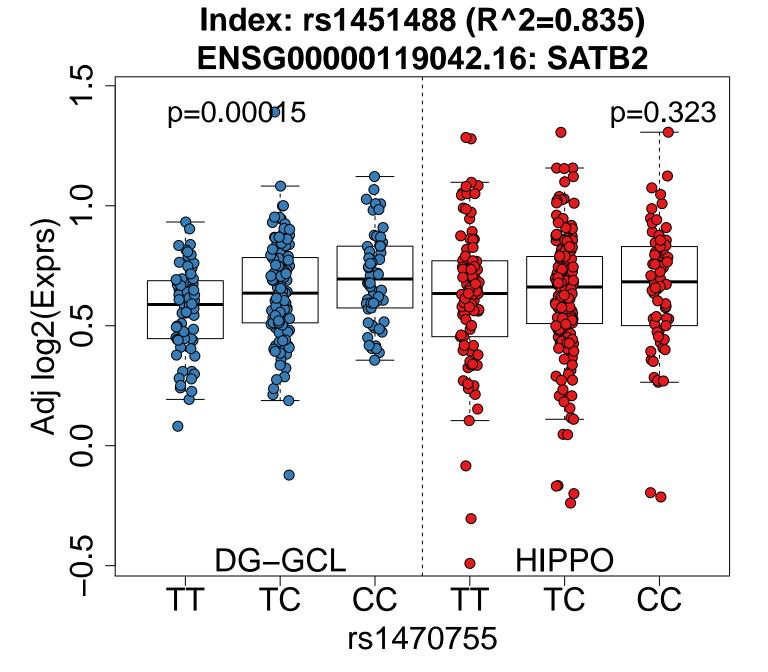
Index: rs2410572 (R^2=0.857) ENSG00000156011.16: PSD3 p=0.000147p=0.515Adj log2(Exprs) DG-GCL **HIPPO** 4.5 GG GA ΑA GG GA rs7831488

Index: rs12704290 (R^2=0.968) ENSE00000700691.1: GRM3

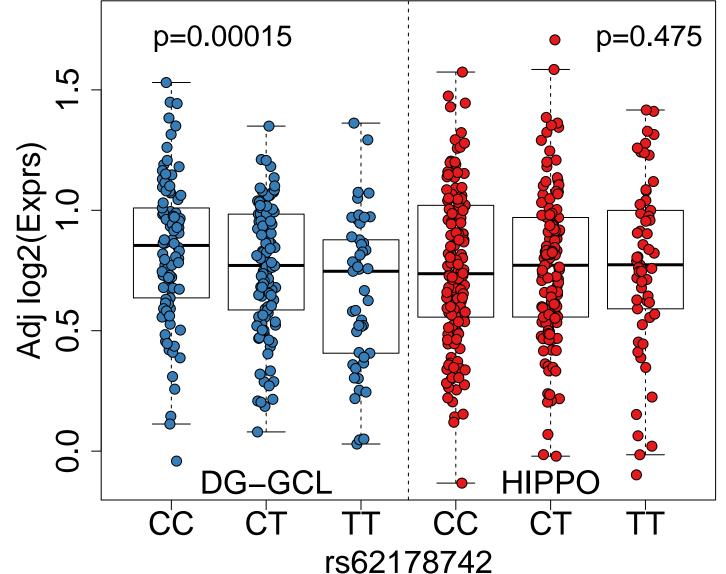


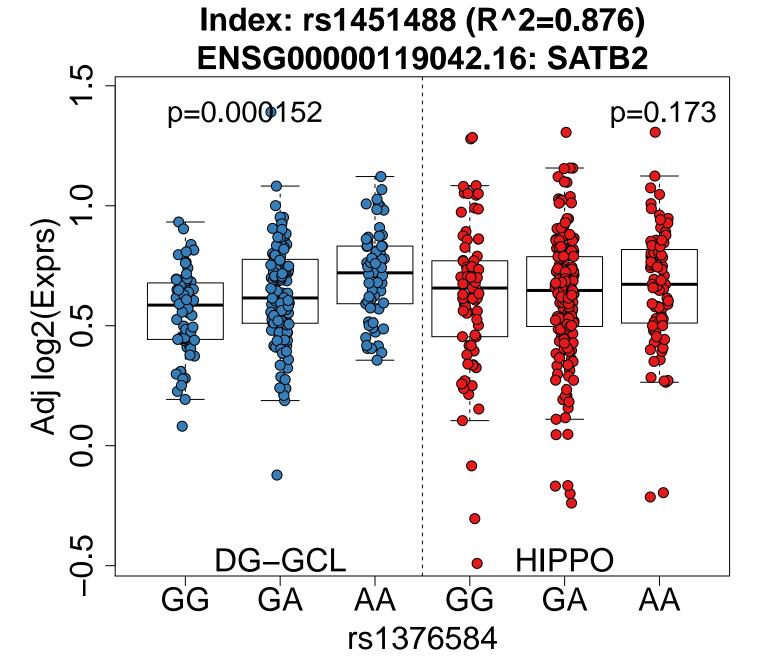
Index: rs1451488 (R^2=0.876) ENST00000417098.5: SATB2



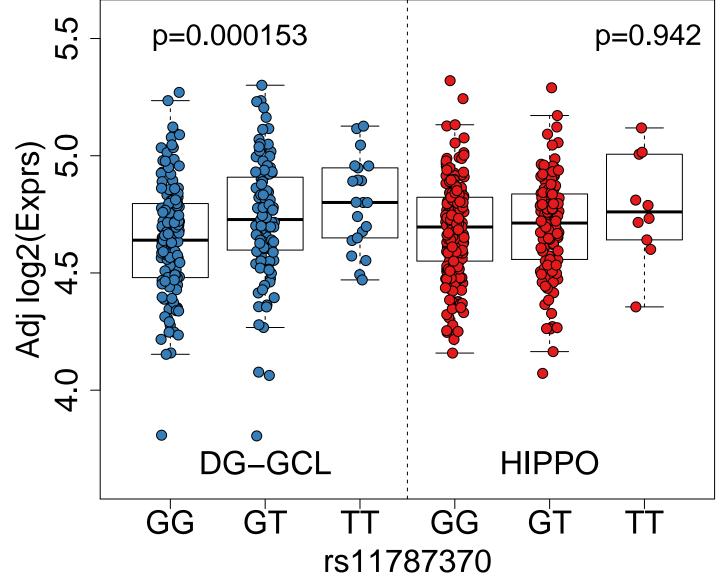


Index: rs1451488 (R^2=0.81) ENST00000417098.5: SATB2

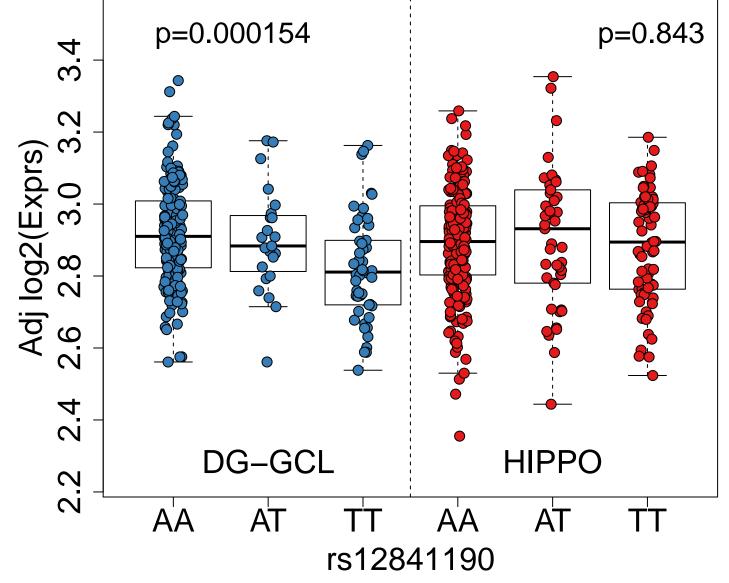




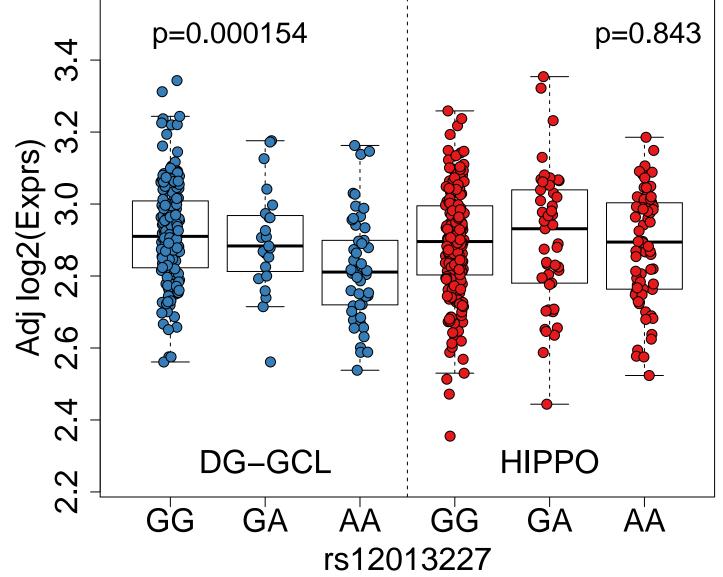
Index: rs11993663 (R^2=0.935) ENSE00003580266.1: TNKS



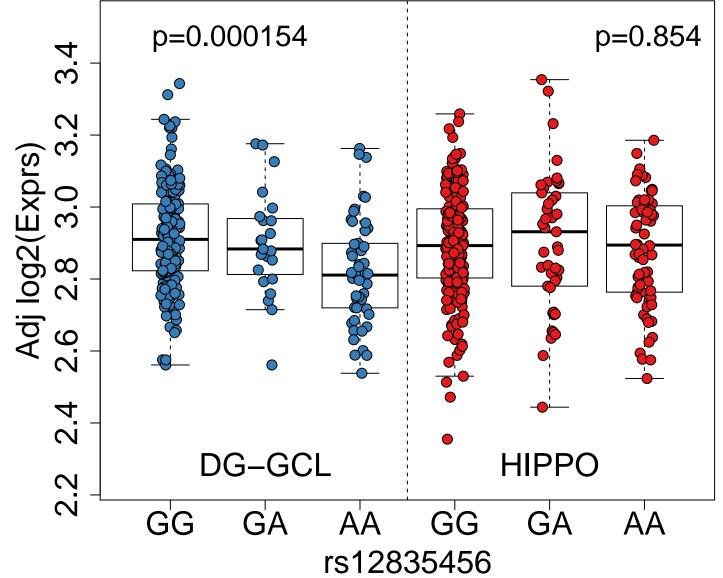
Index: rs12009217 (R^2=0.991) ENSE00001648911.1: NLGN4X



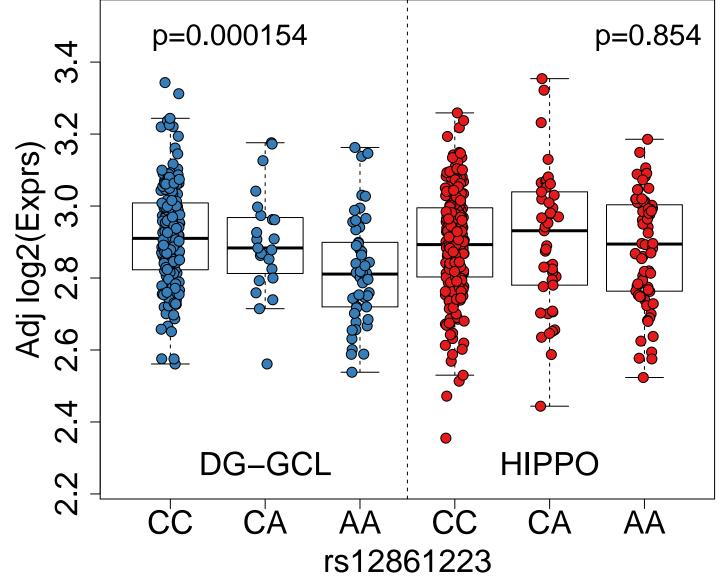
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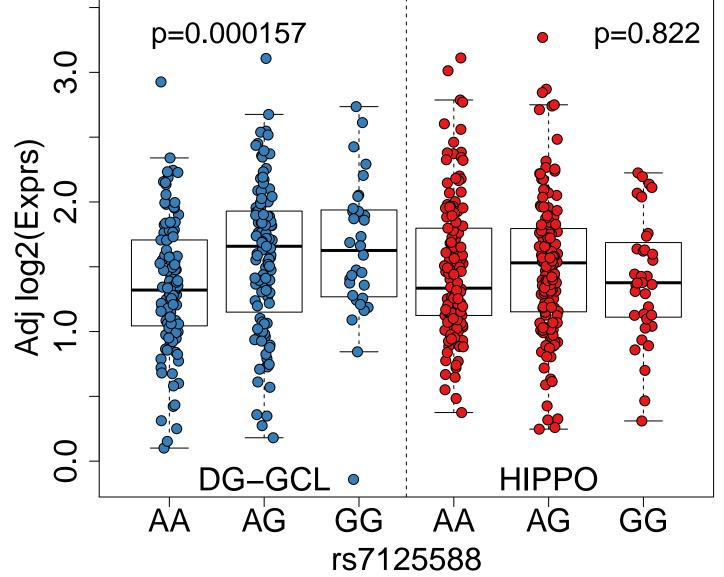
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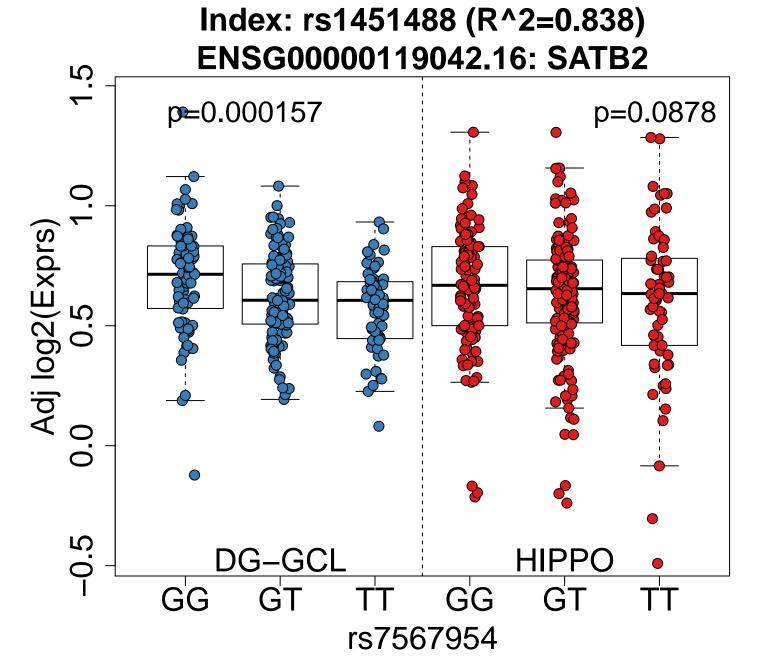


Index: rs12009217 (R^2=0.983) ENSE00001648911.1: NLGN4X



Index: rs4936277 (R^2=0.816) ENSE00002207903.1: TMPRSS5

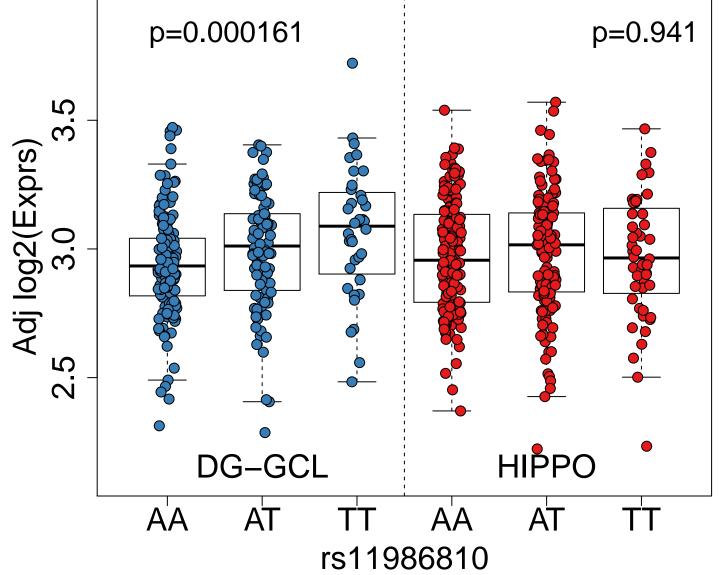




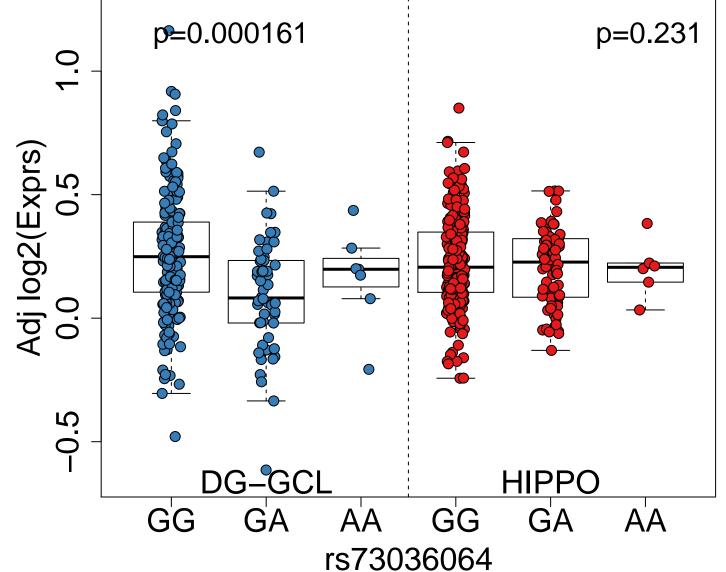
Index: rs147922658 (R^2=0.929) ENSE00001519286.1: DMTF1 p=0.00016 p=0.2363.5 Adj log2(Exprs) 2.5 3.0 3.0 DG-GCL HIPPO GĠA GG GĠA rs72104935

Index: rs147922658 (R^2=0.929) ENSE00001519286.1: DMTF1 p=0.00016p = 0.313.5 Adj log2(Exprs) 2.5 3.0 3.4 DG-GCL HIPPO GG GA AA GG GA rs77486245

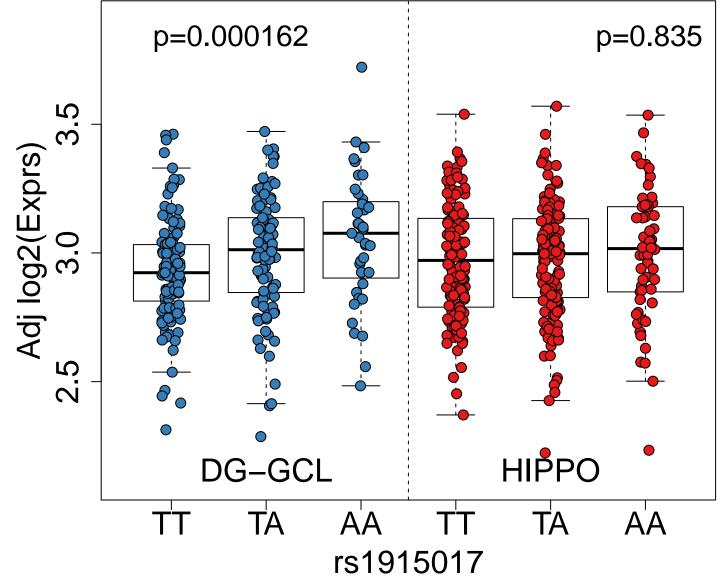
Index: rs7010876 (R^2=0.803) ENSE00003607975.1: MMP16

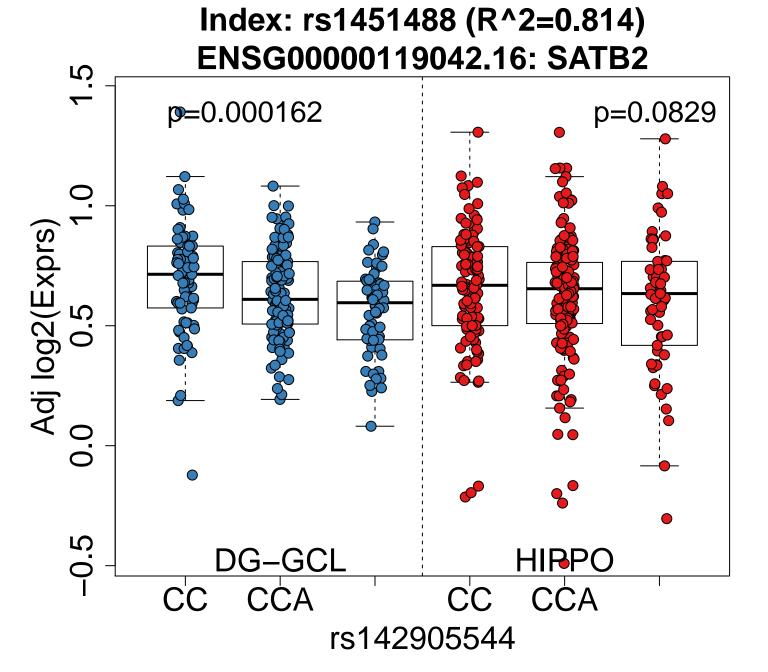


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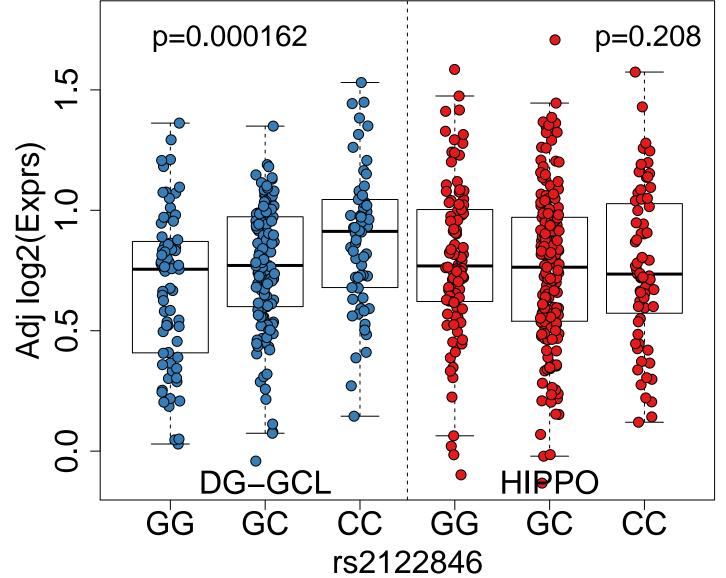


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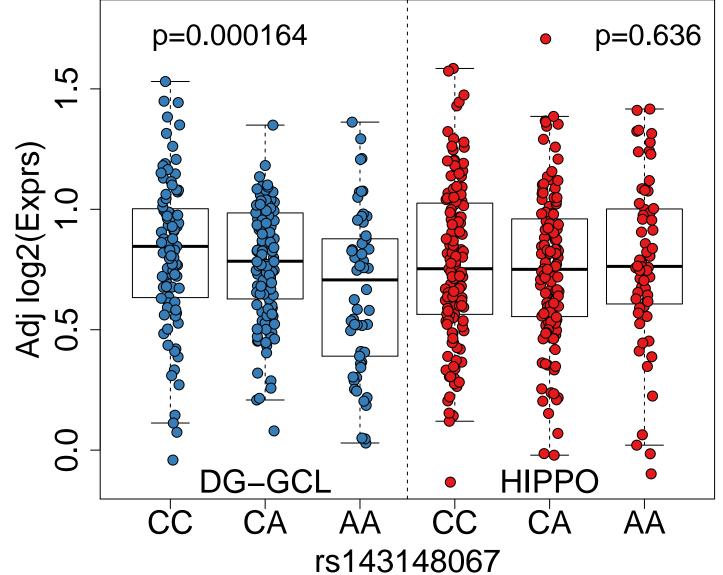


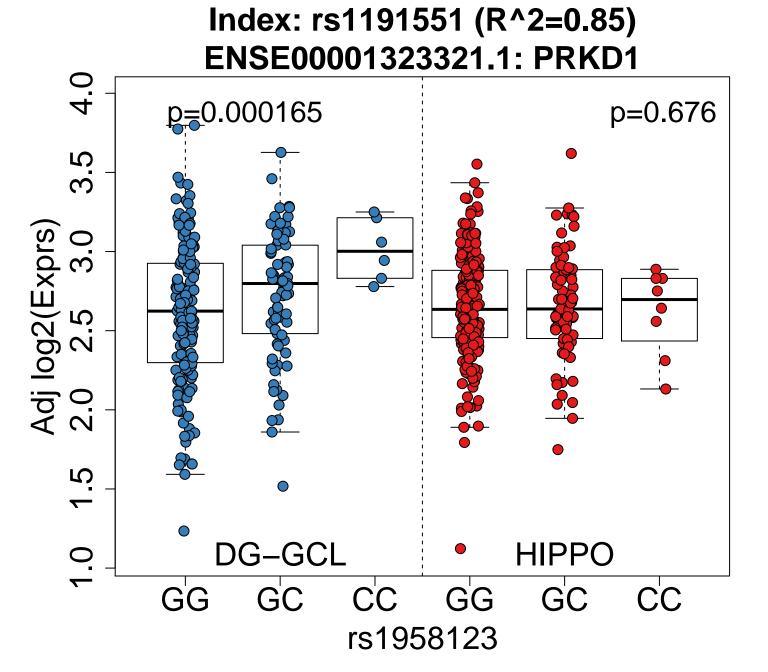


Index: rs1451488 (R^2=0.868) ENST00000417098.5: SATB2

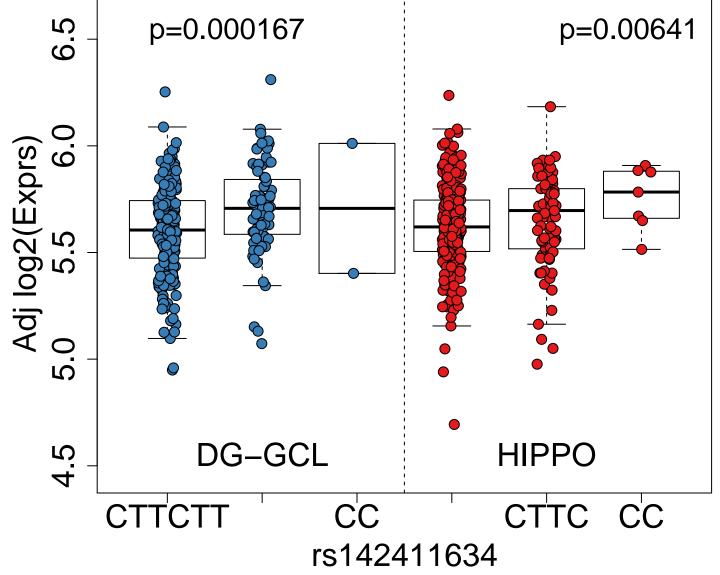


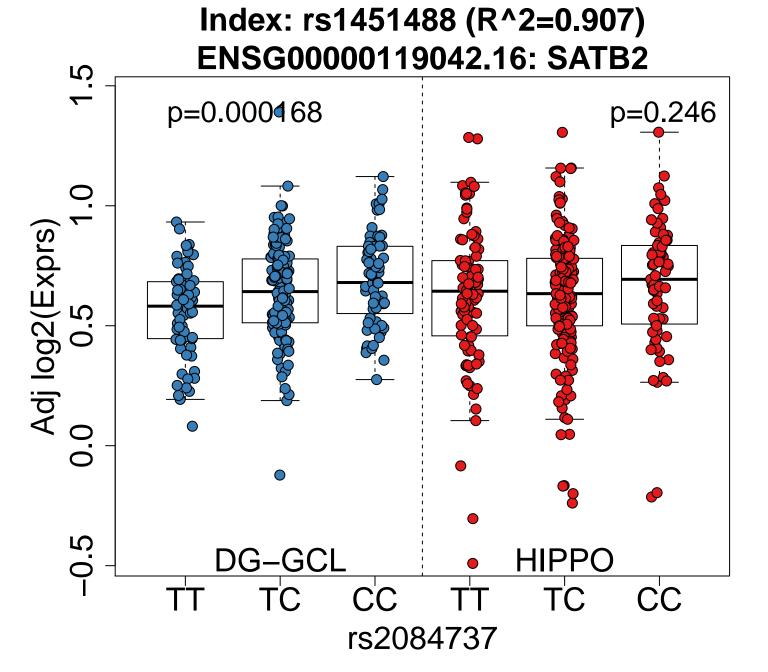
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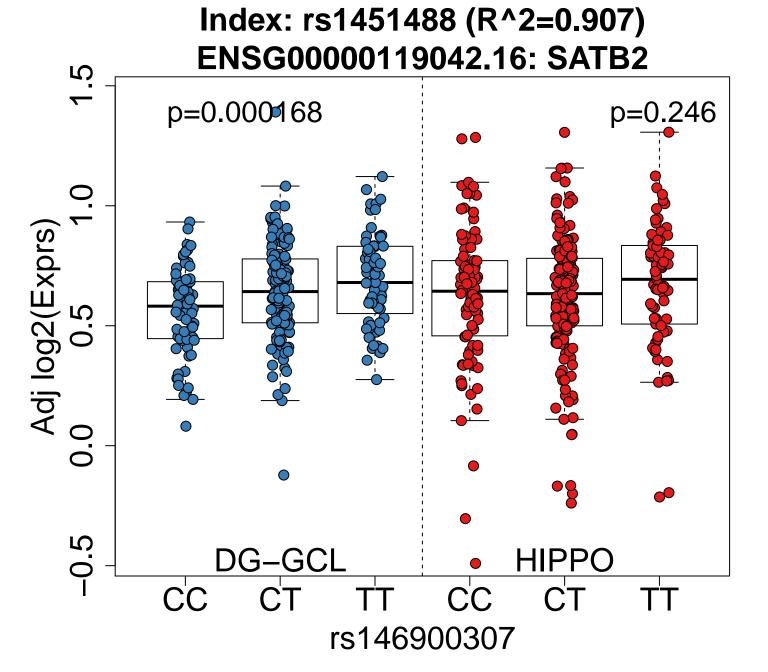




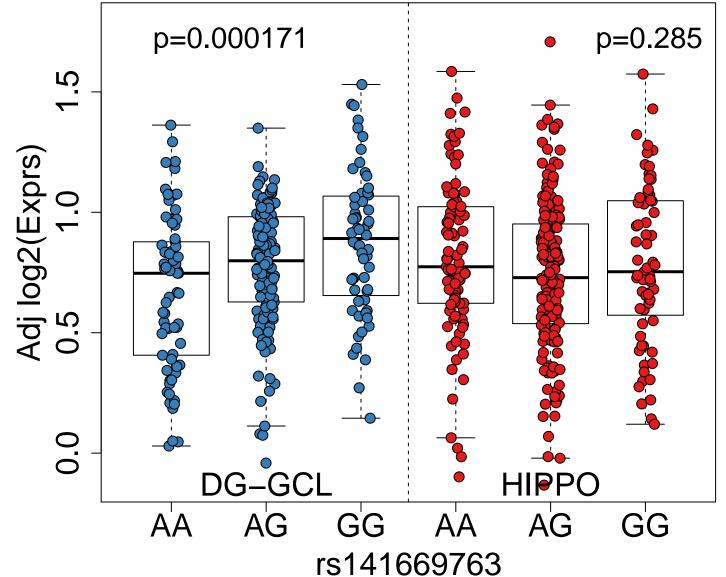
Index: rs62334820 (R^2=0.945) ENSE00001516177.2: GPM6A



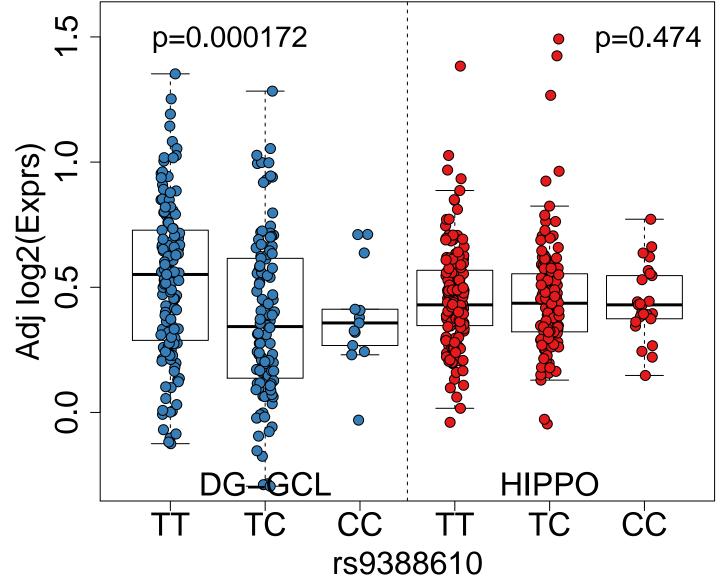




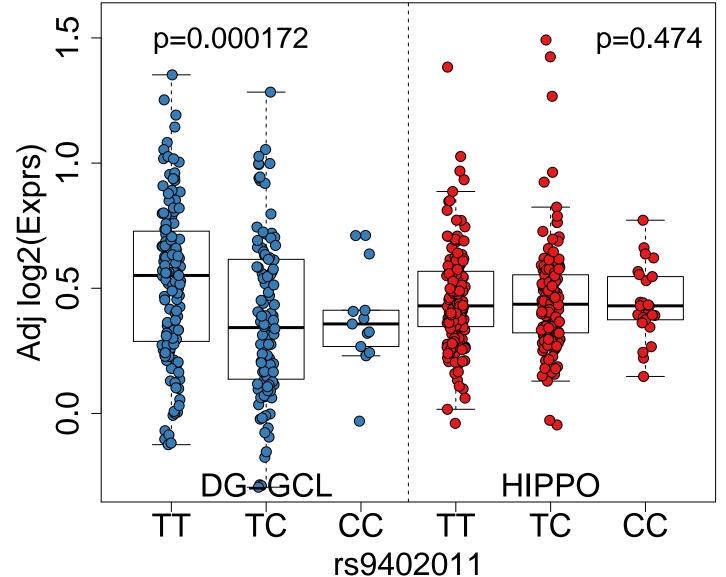
Index: rs1451488 (R^2=0.903) ENST00000417098.5: SATB2



Index: rs35736453 (R^2=0.938) ENSG00000172673.10: THEMIS

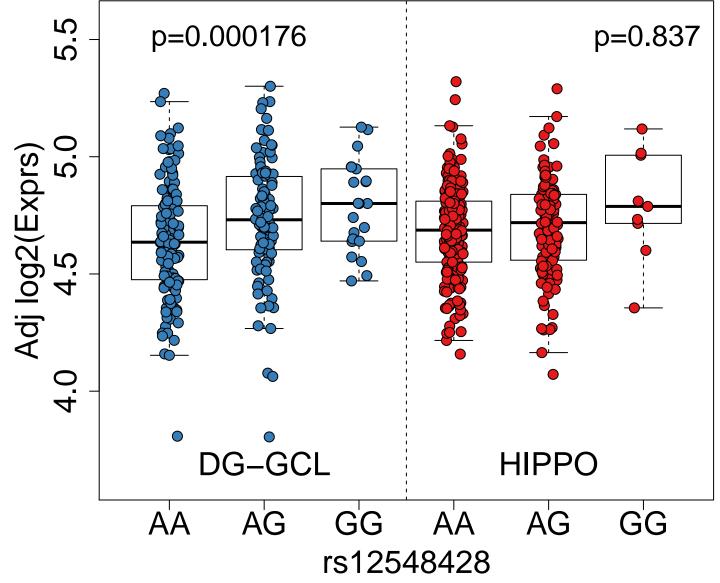


Index: rs35736453 (R^2=0.934) ENSG00000172673.10: THEMIS



Index: rs12009217 (R^2=0.956) ENSG00000146938.14: NLGN4X 4.2 p=0.000175 p=0.259Adj log2(Exprs) 1 3.6 3.8 ⁴ DG-GCL **HIPPO** 3.2 GG ΑΑ AG GG ΑA AG rs11798525

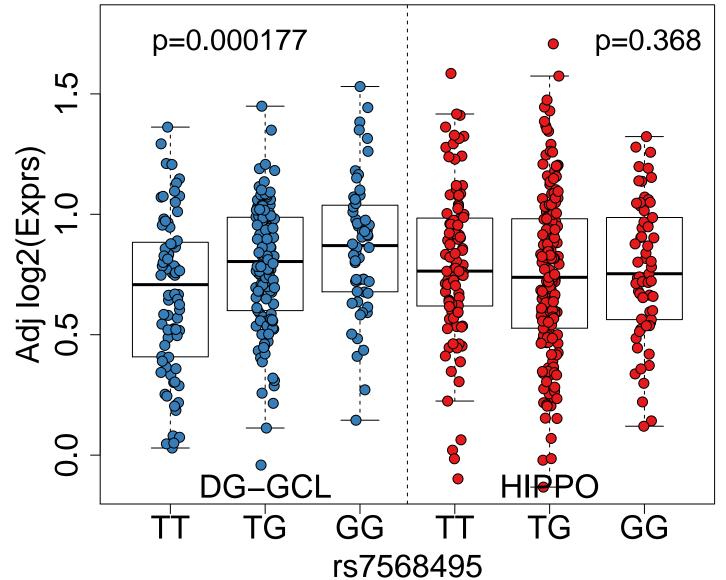
Index: rs11993663 (R^2=0.926) ENSE00003580266.1: TNKS



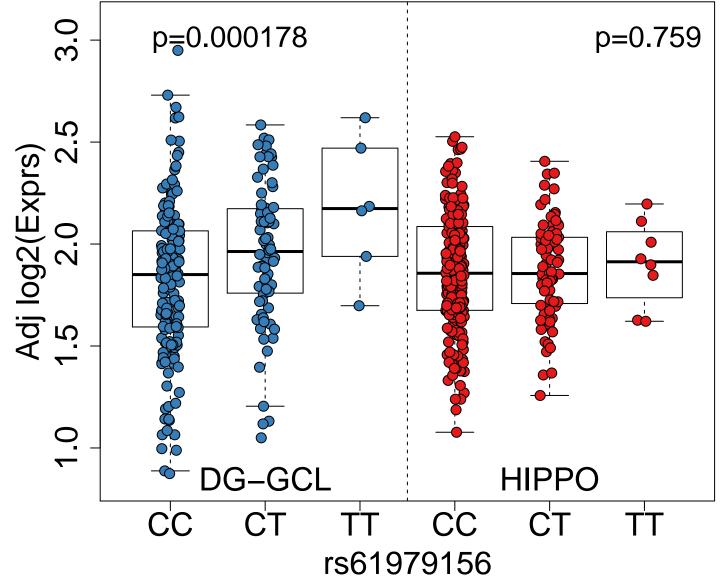
Index: rs147922658 (R^2=1) ENST00000579592.5: DMTF1 p=0.000177p=0.142.5 Adj log2(Exprs) .0 1.5 2.0 DG-GCL **HIPPO** CC rs55743432

Index: rs147922658 (R^2=1) ENST00000579592.5: DMTF1 p=0.000177p = 0.142.5 Adj log2(Exprs) .0 1.5 2.0 0.5 DG-GCL **HIPPO** ATAT AA AAT rs113684611

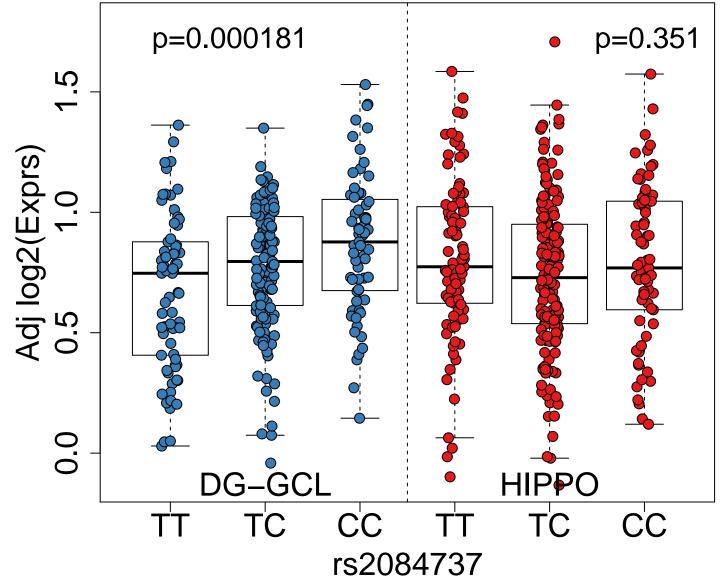
Index: rs1451488 (R^2=0.911) ENST00000417098.5: SATB2



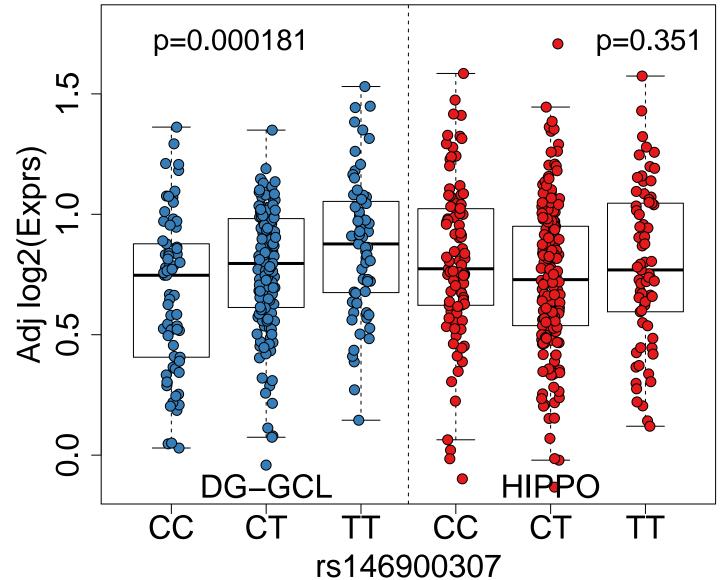
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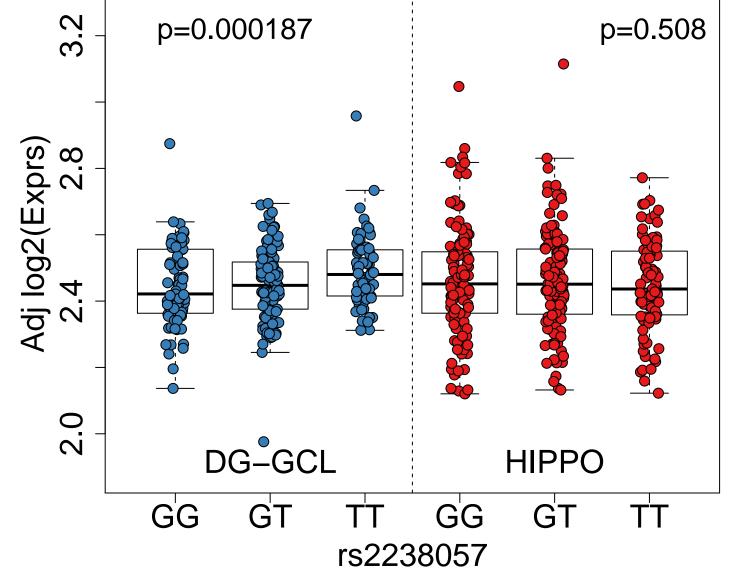
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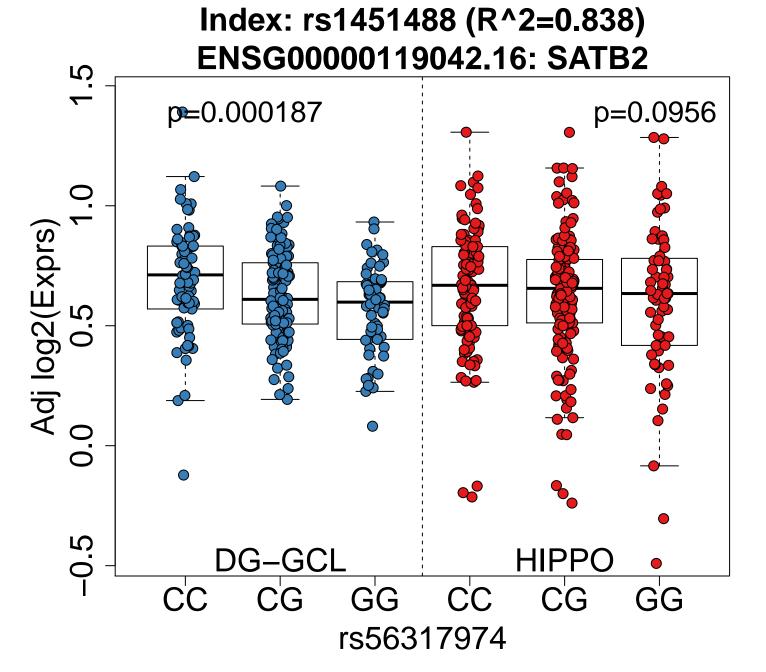


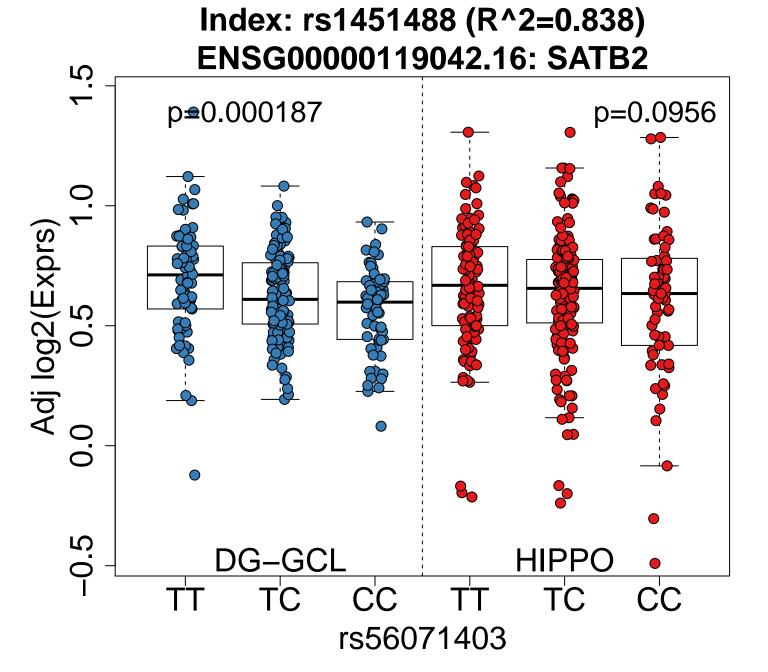
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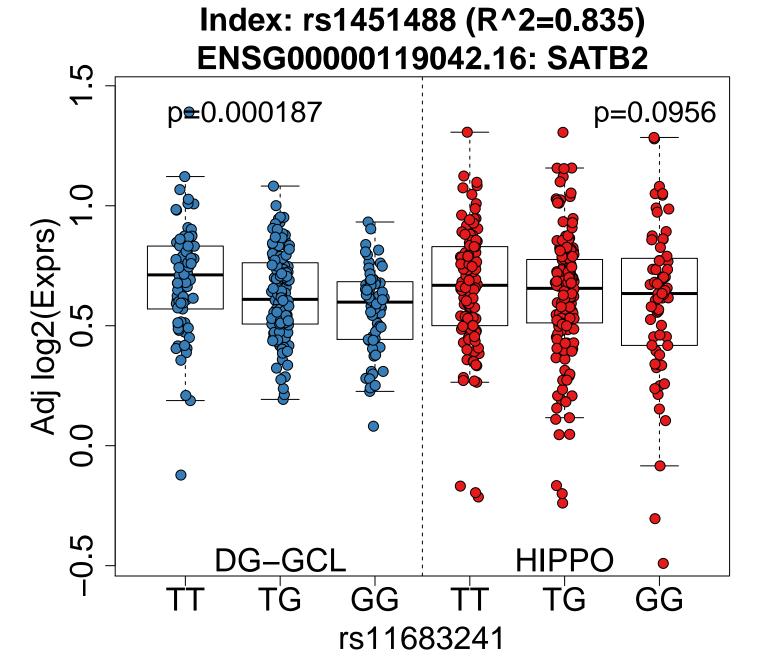


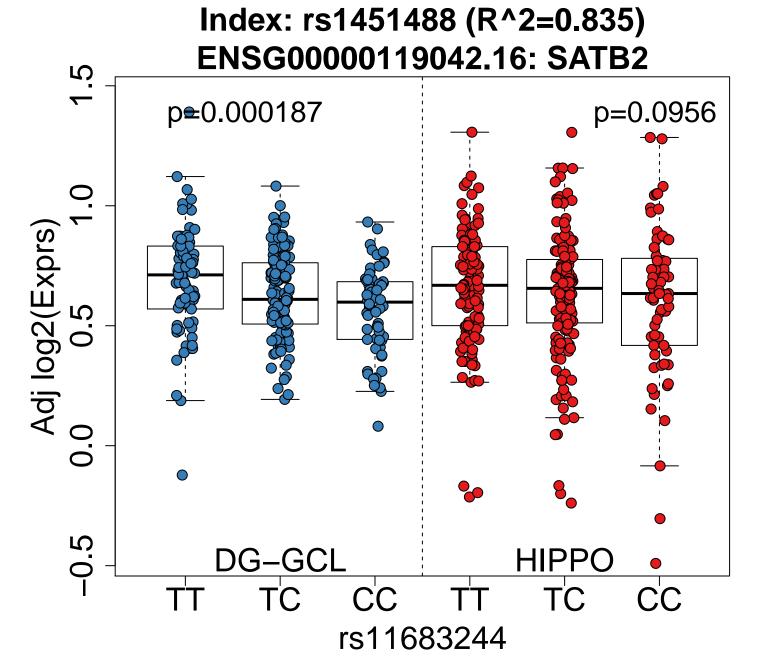
Index: rs2007044 (R^2=0.862) ENST00000399655.5: CACNA1C



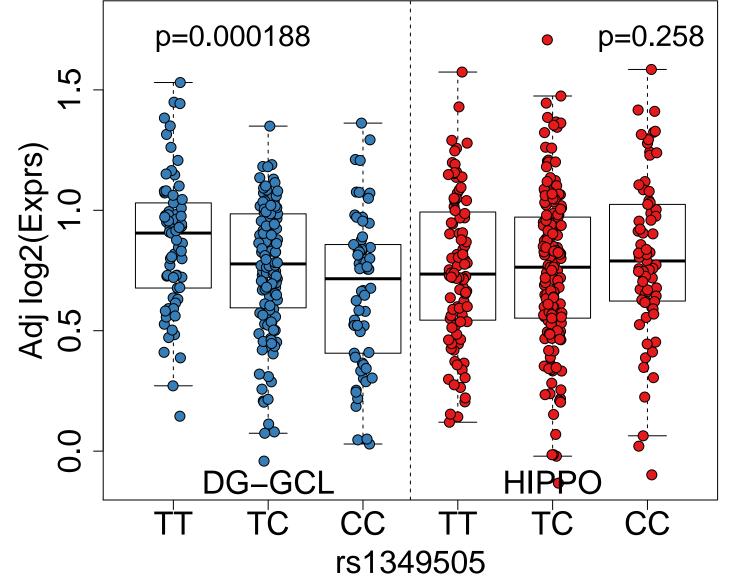




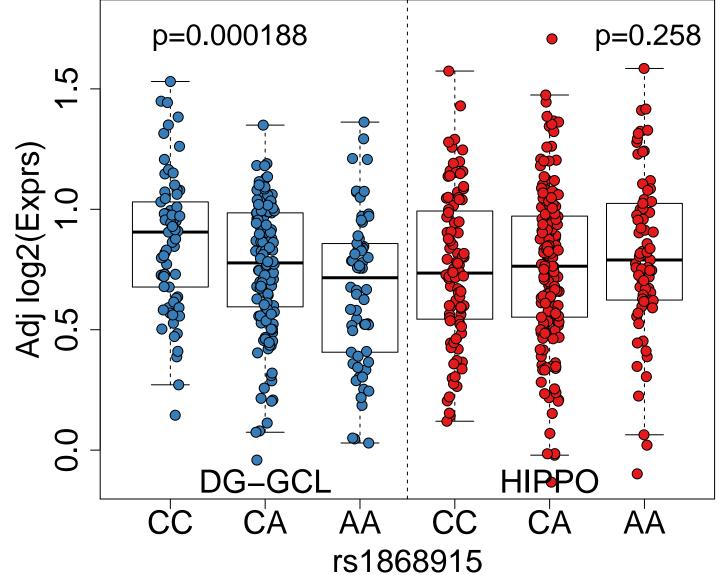




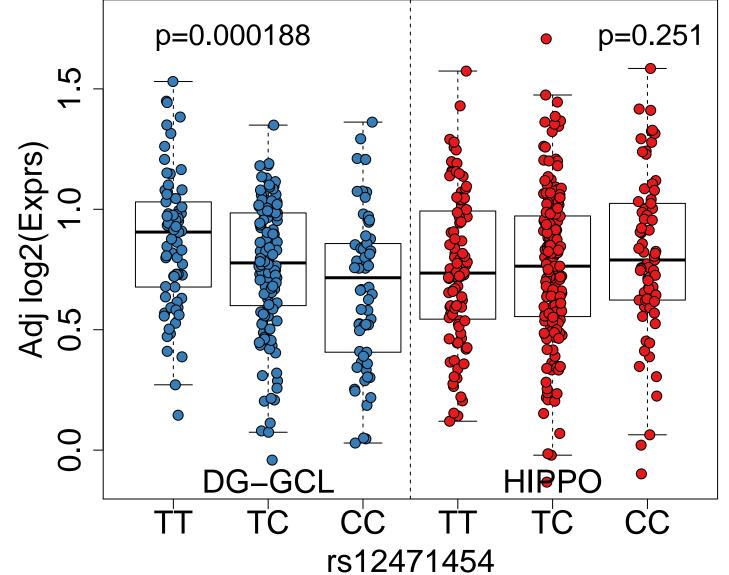
Index: rs1451488 (R^2=0.88) ENST00000417098.5: SATB2



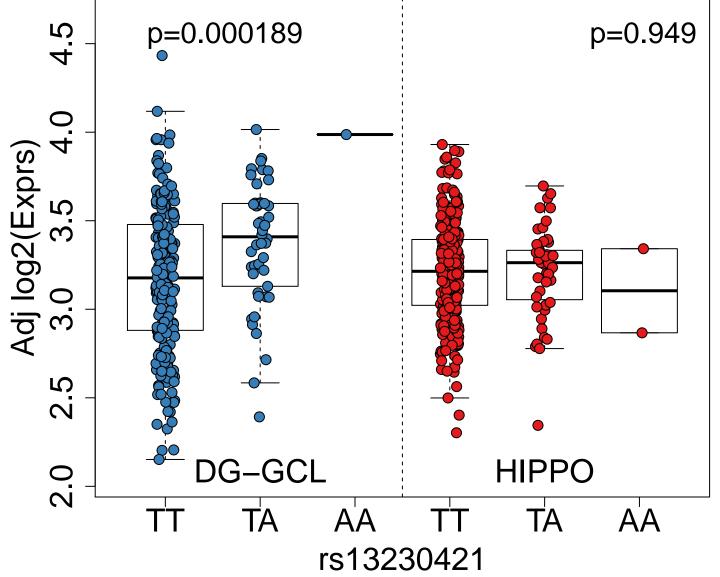
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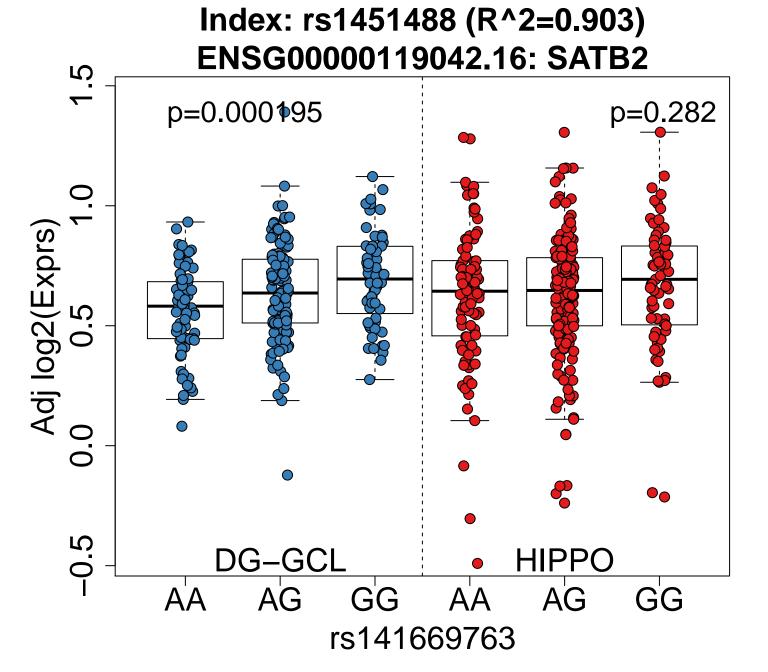


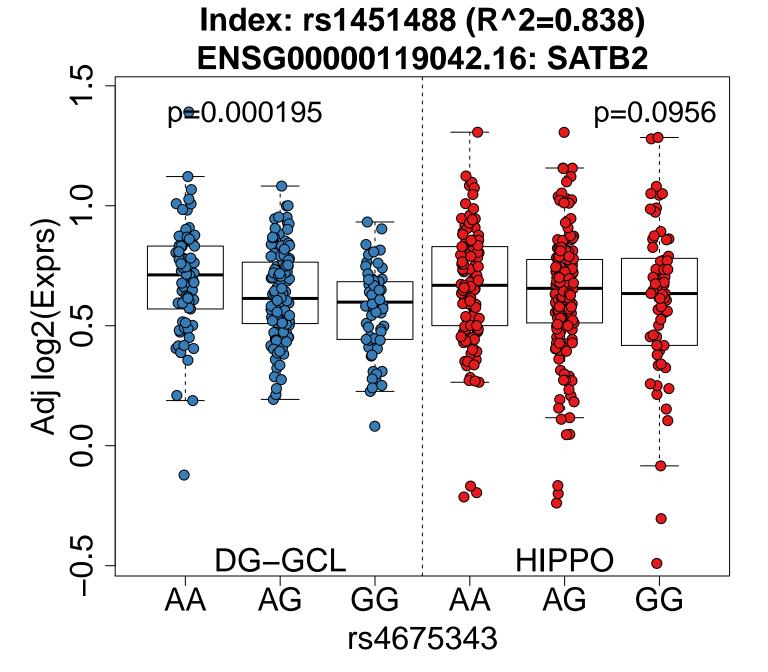
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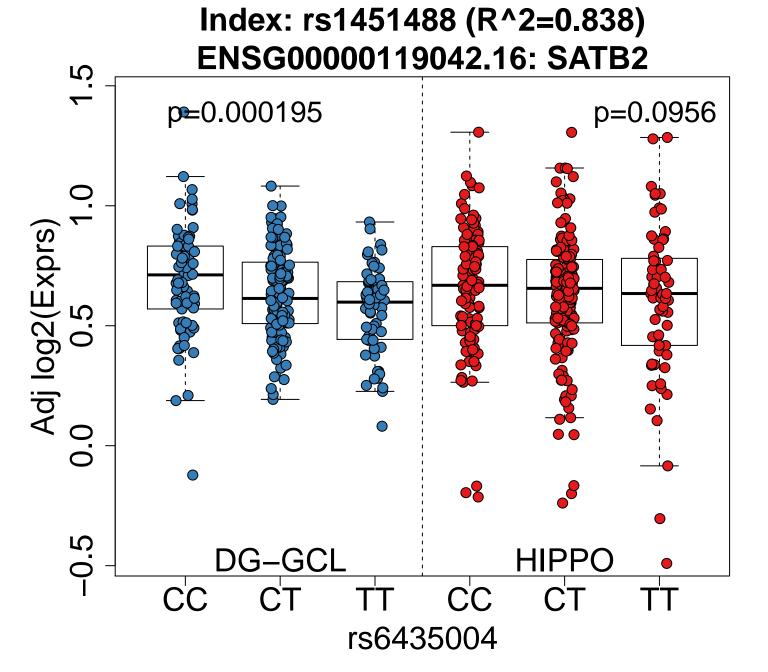


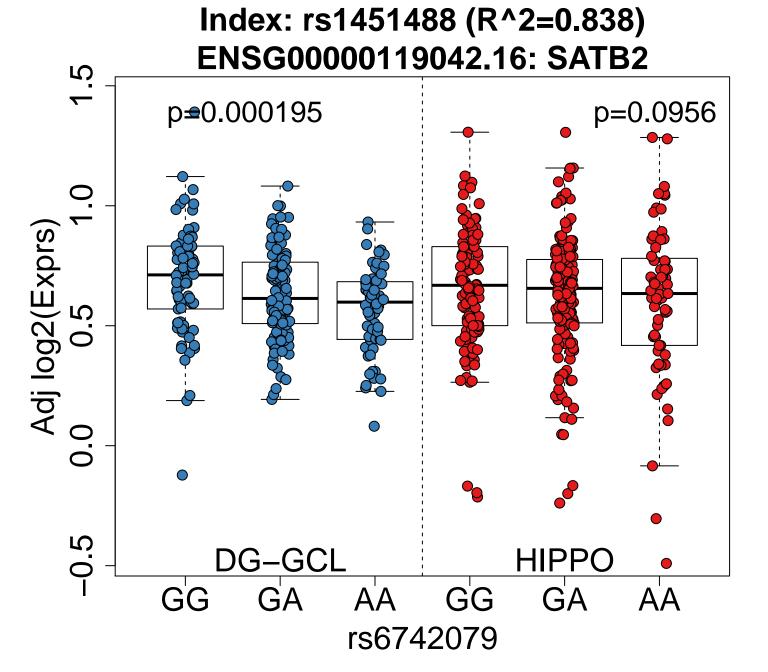
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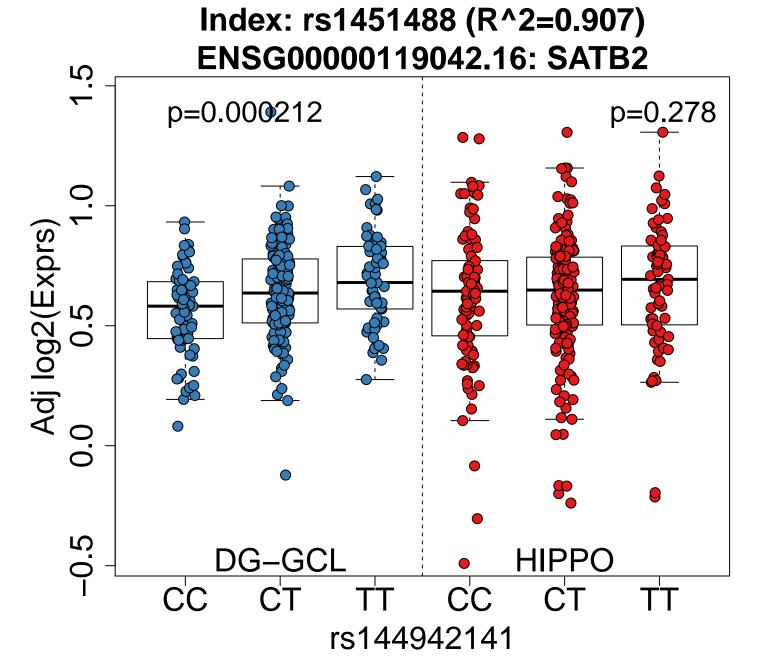


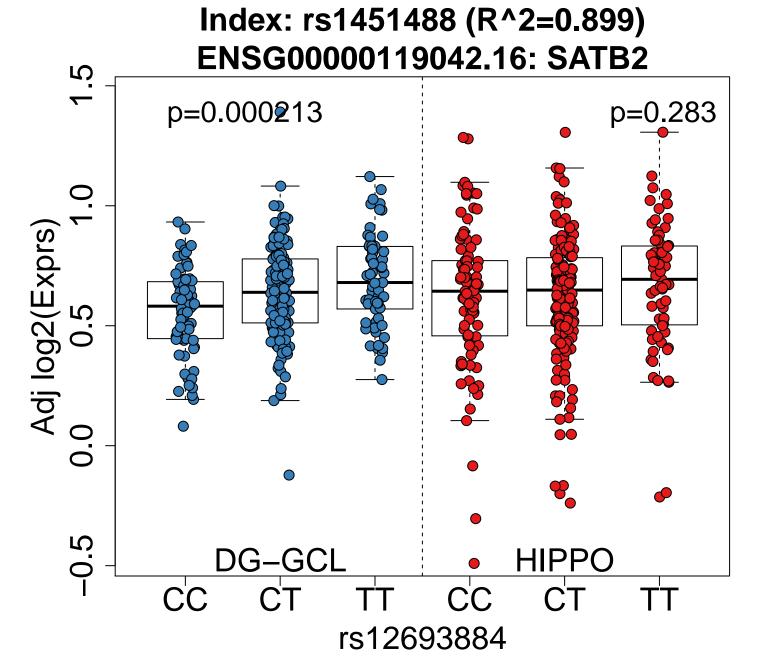


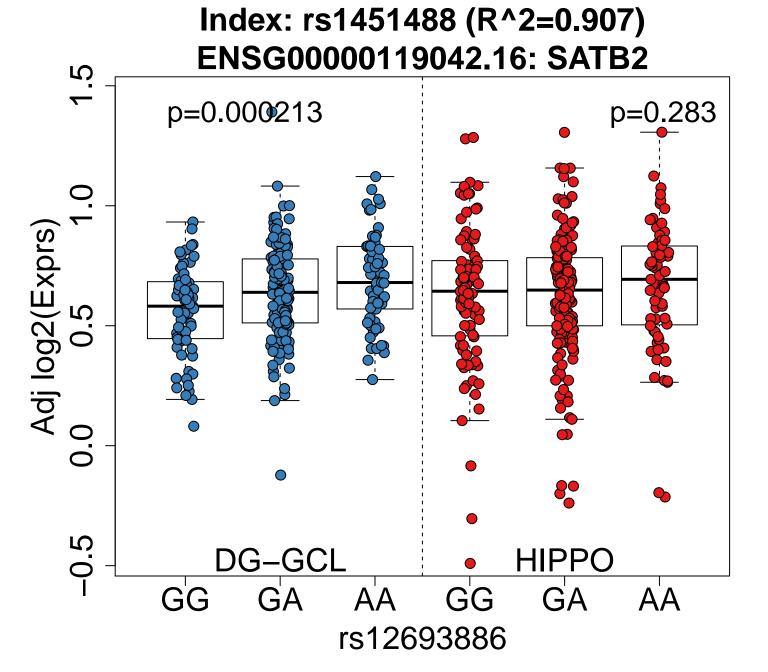
Index: rs12009217 (R^2=0.809) ENSG00000146938.14: NLGN4X 4.2 p = 2e - 04p=0.271Adj log2(Exprs) 1 3.6 3.8 ² DG-GCL **HIPPO** 3.2 CC rs6639583

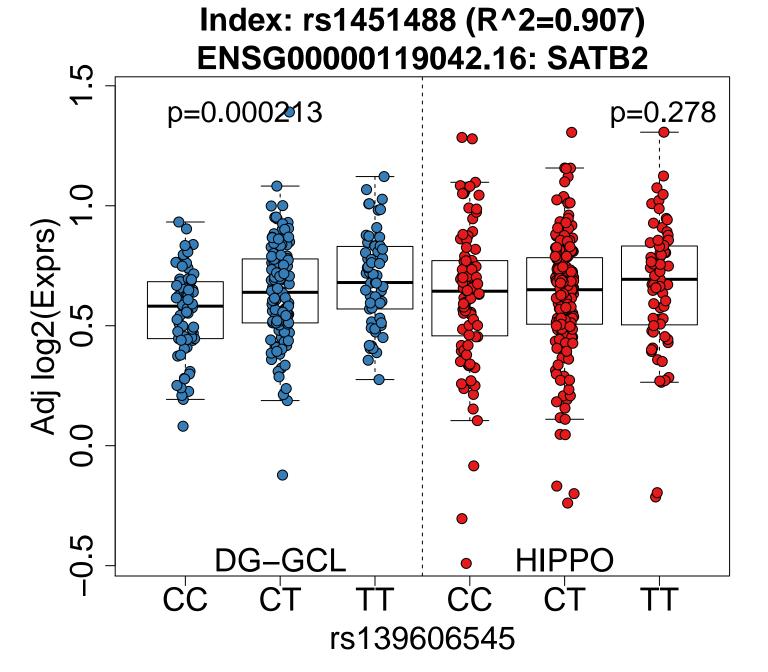
Index: rs2410572 (R^2=0.828) ENSG00000156011.16: PSD3 p=0.000207 p=0.894Adj log2(Exprs) DG-GCL **HIPPO** 4.5 CC CC 8:18427710:C:T

Index: rs2007044 (R^2=0.873) ENSG00000151067.21: CACNA1C 3.6 p=0.000212 p=0.713Adj log2(Exprs) 2.8 3.2 DG-GCL **HIPPO** GG GA AA GG GA rs2239038

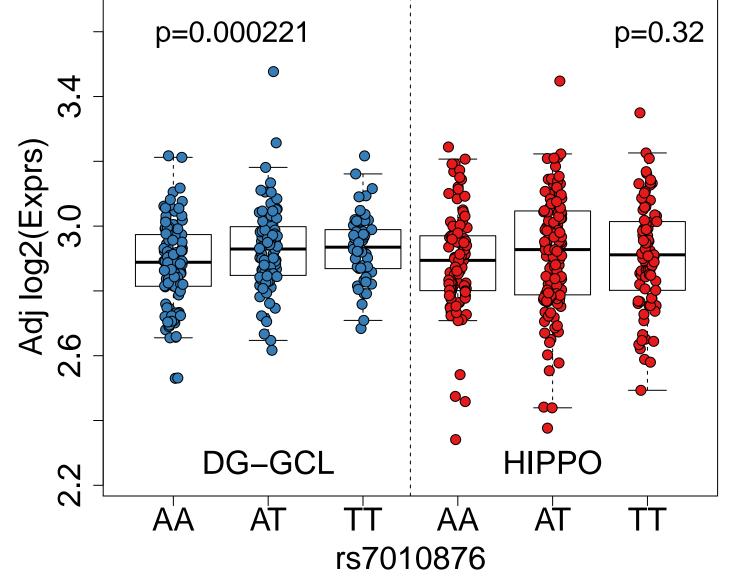




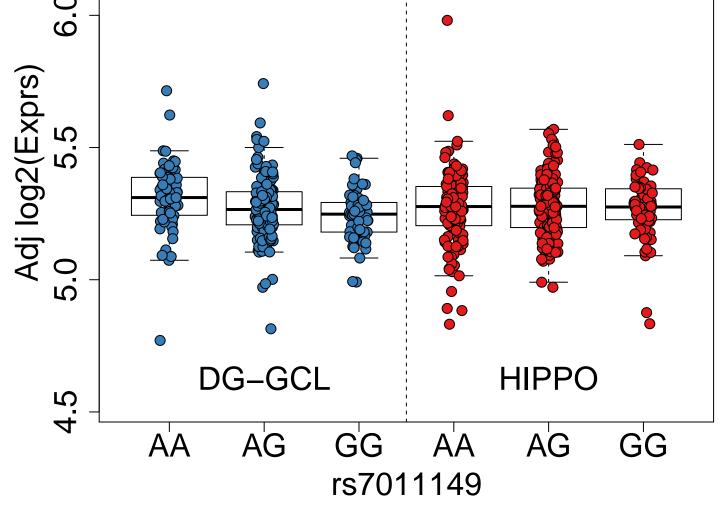




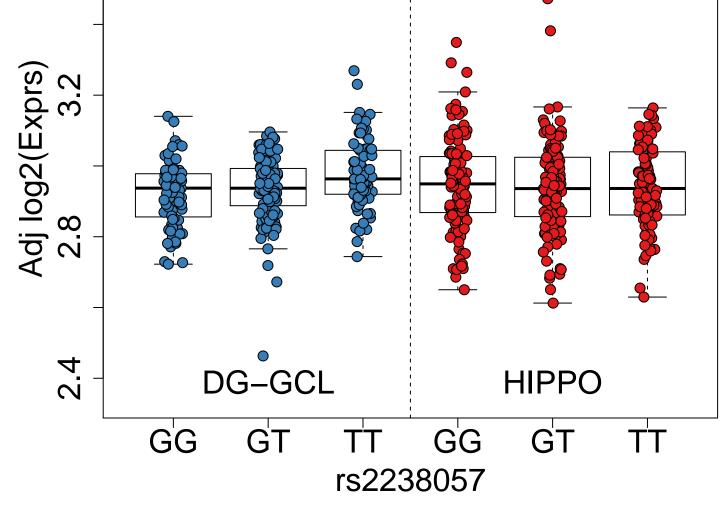
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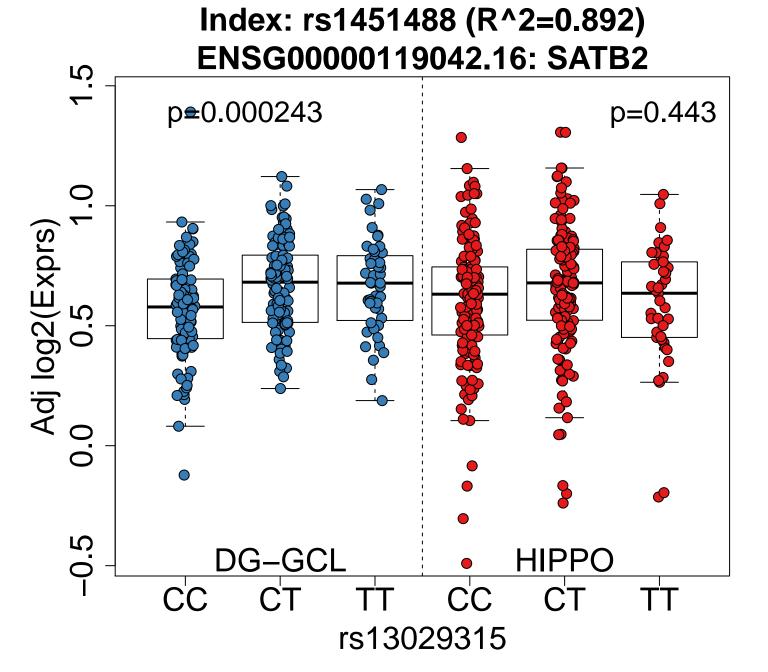
Index: rs2410572 (R^2=0.857) ENSG00000156011.16: PSD3 p=0.000225 p=0.602



Index: rs2007044 (R^2=0.862) ENSG00000151067.21: CACNA1C p=0.000233 p=0.565



3.6



Index: rs2007044 (R^2=0.877) ENSG00000151067.21: CACNA1C p=0.000268 p=0.551DG-GCL **HIPPO**

Α̈́A

AG

GG

3.6

Adj log2(Exprs) 2.8 3.2

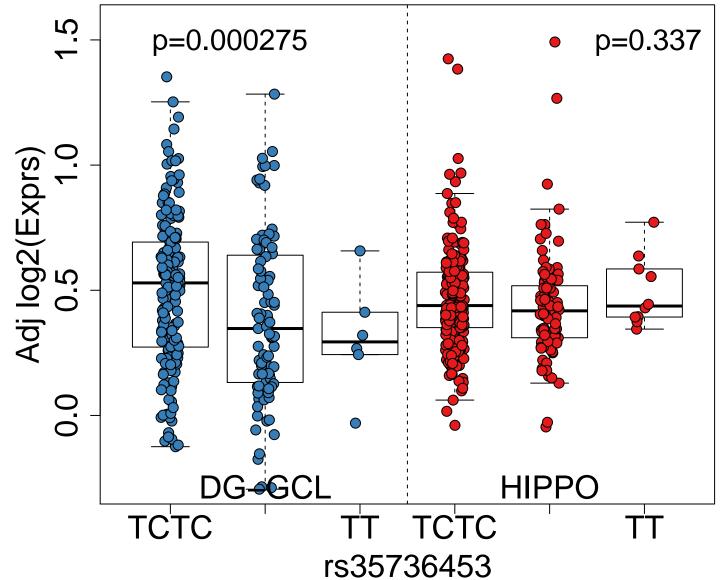
AΑ

AG

GG

rs2370414

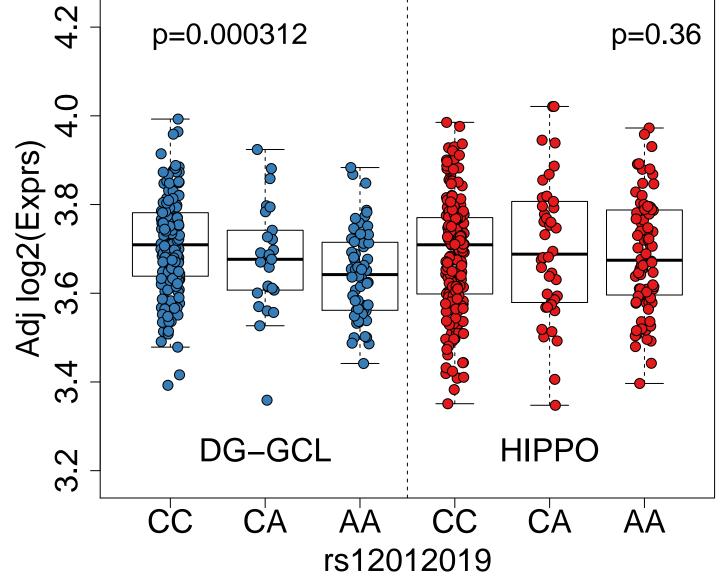
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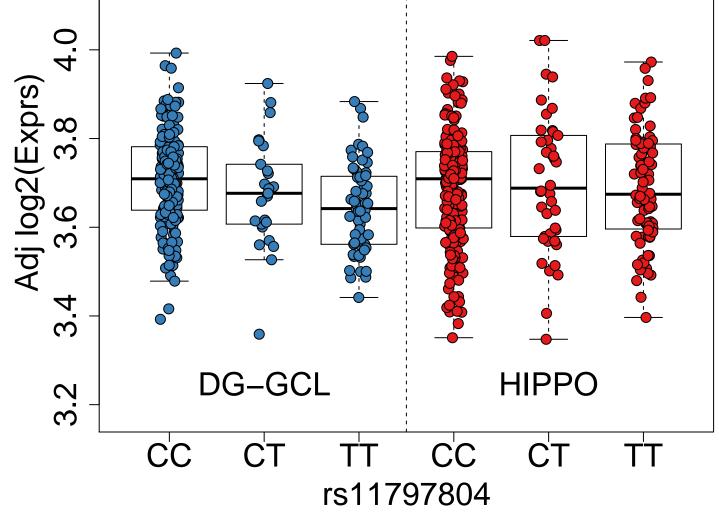
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Index: rs2410572 (R^2=0.865) ENSG00000156011.16: PSD3 p=0.000301 p=0.618Adj log2(Exprs) DG-GCL **HIPPO** 4.5 GG GG **G**T rs35454369

Index: rs12009217 (R^2=1) ENSG00000146938.14: NLGN4X

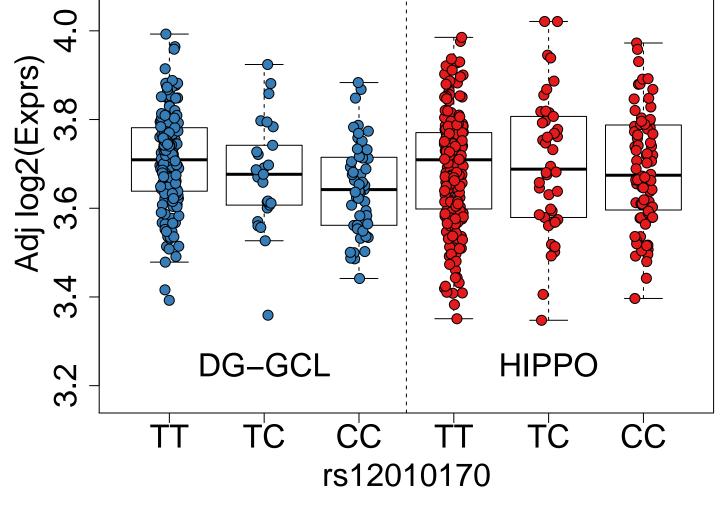


Index: rs12009217 (R^2=1) ENSG00000146938.14: NLGN4X p=0.000312 p = 0.36

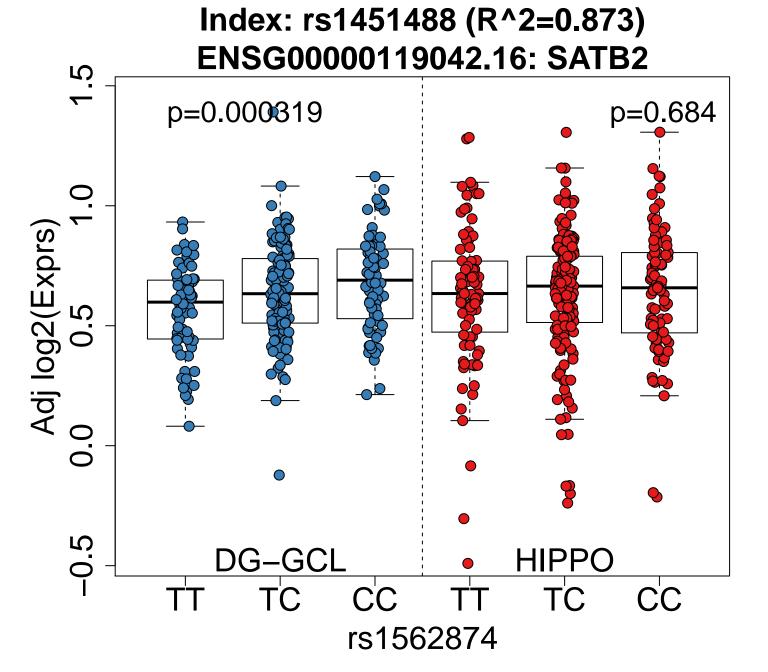


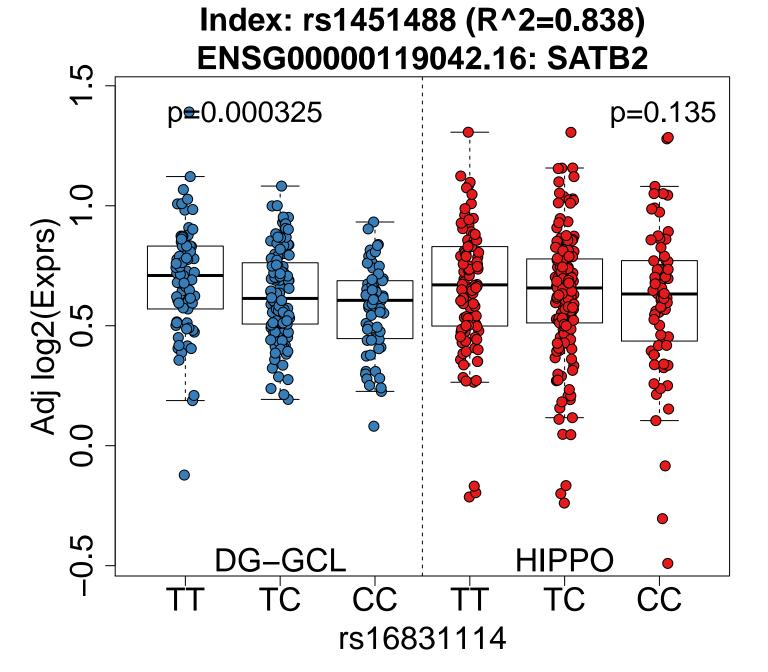
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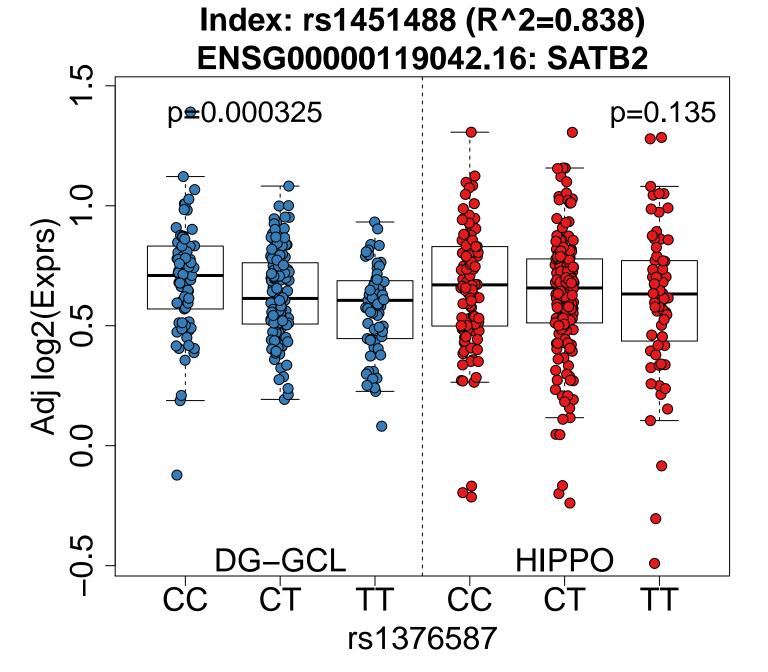
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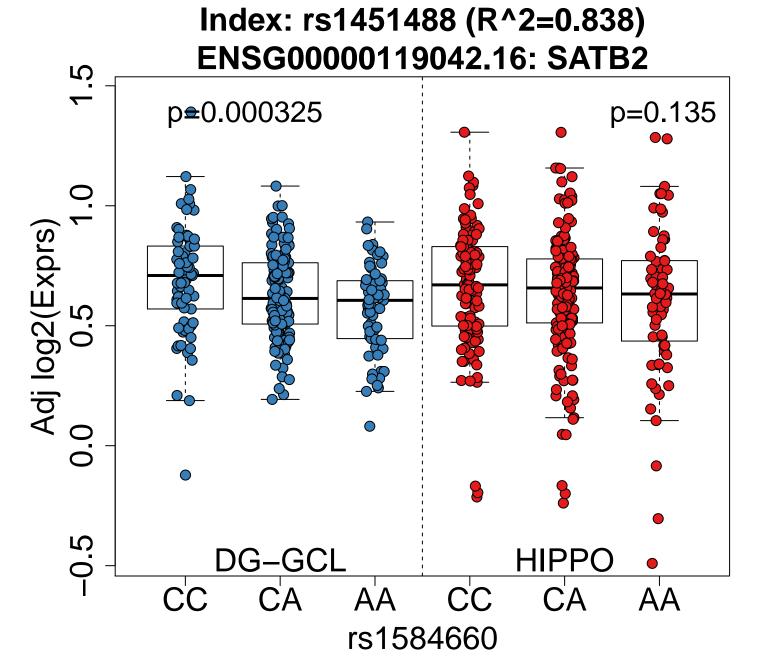


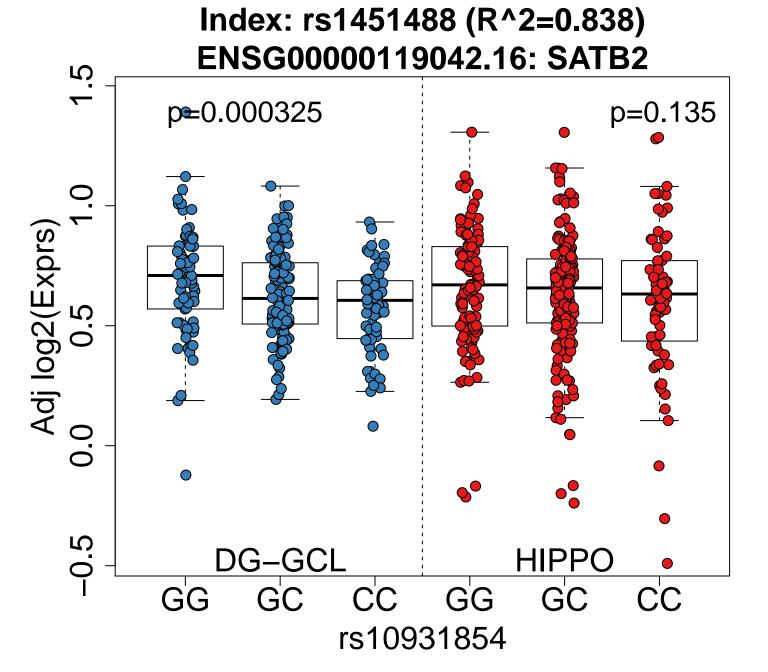
4.2

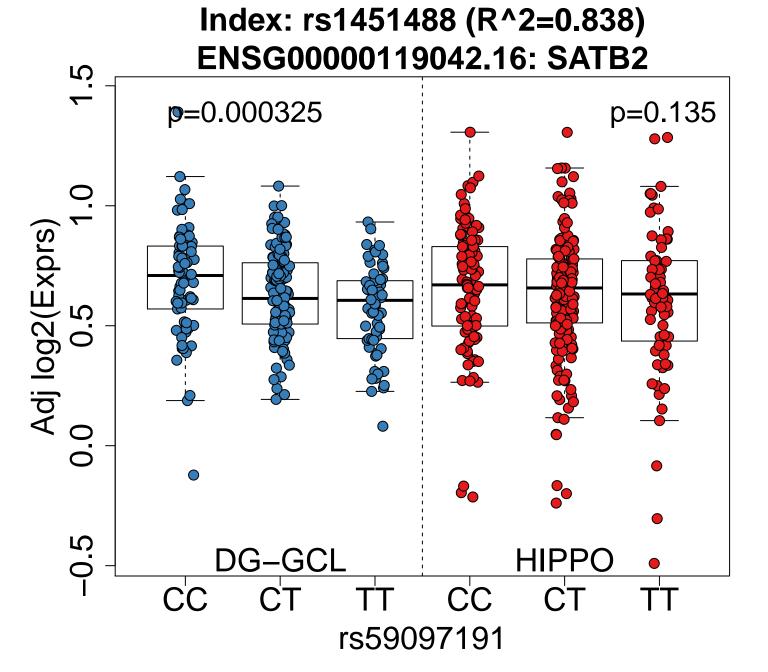


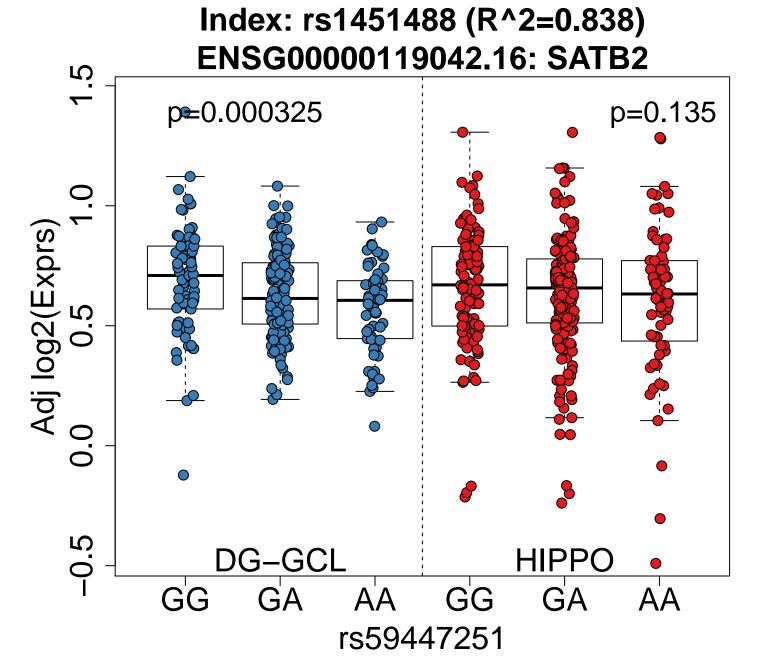


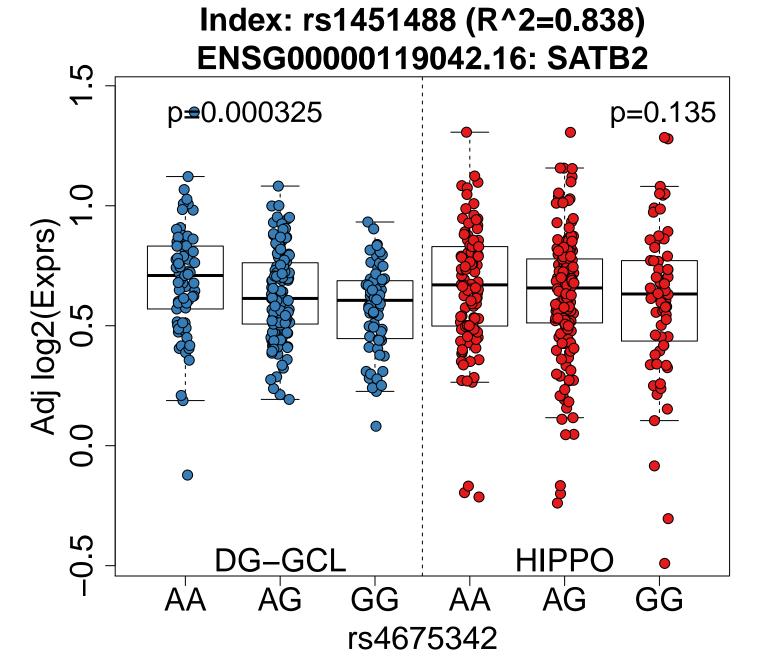






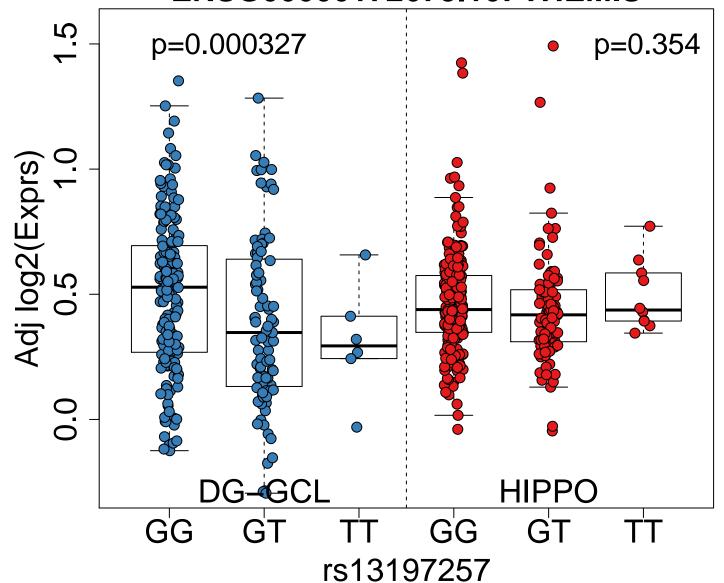


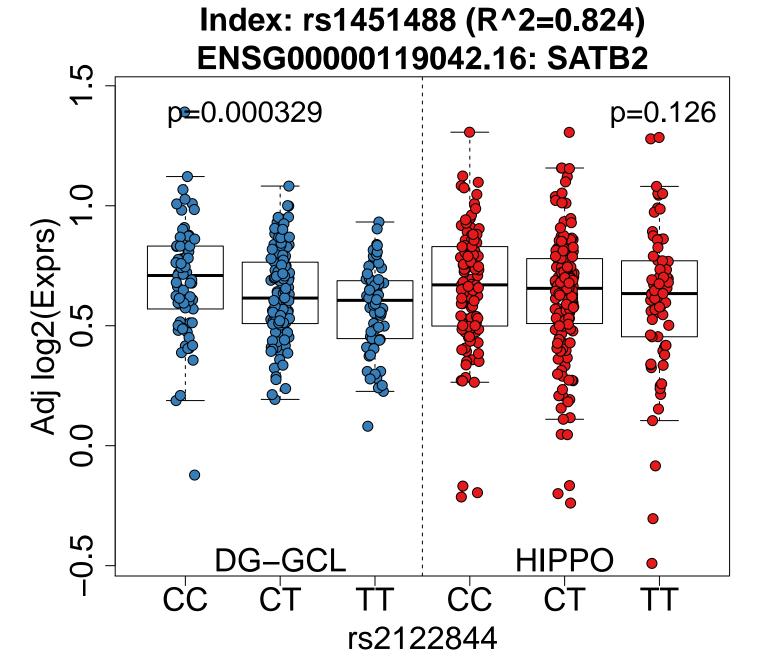




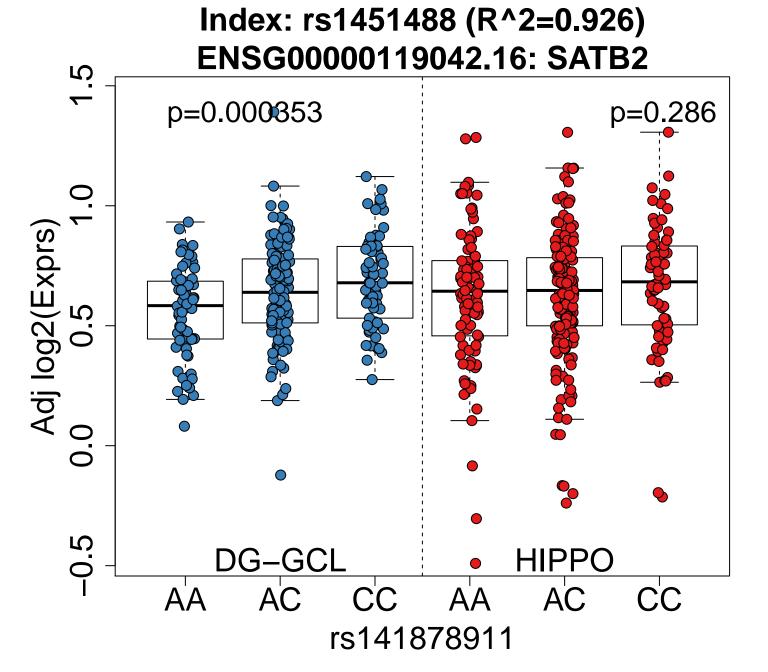
Index: rs2410572 (R^2=0.865) ENSG00000156011.16: PSD3 p=0.000325 p=0.618Adj log2(Exprs) DG-GCL **HIPPO** 4.5 CC C_C rs13259407

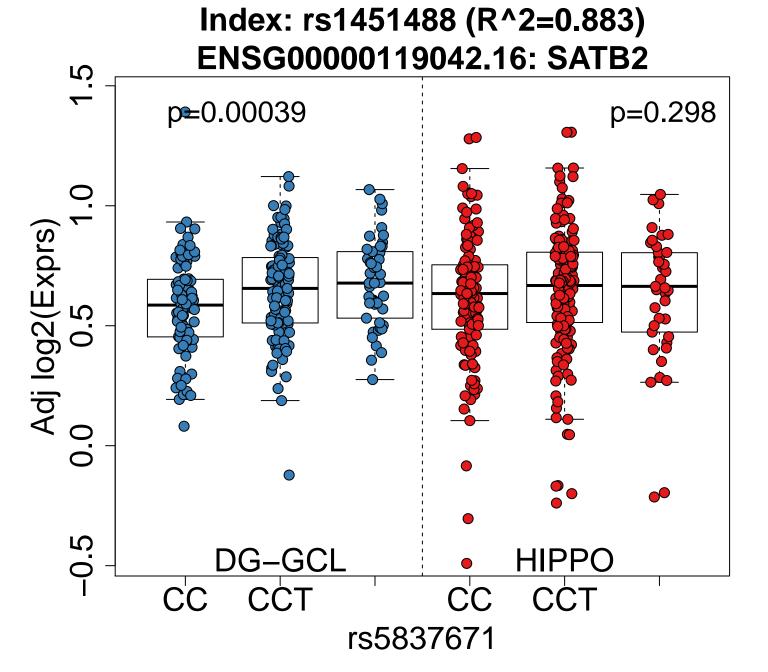
Index: rs35736453 (R^2=1) ENSG00000172673.10: THEMIS

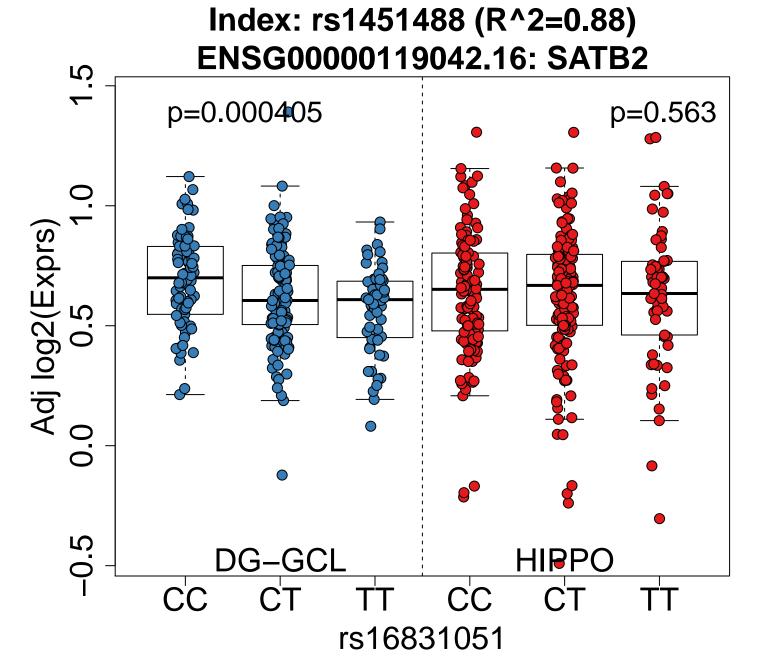




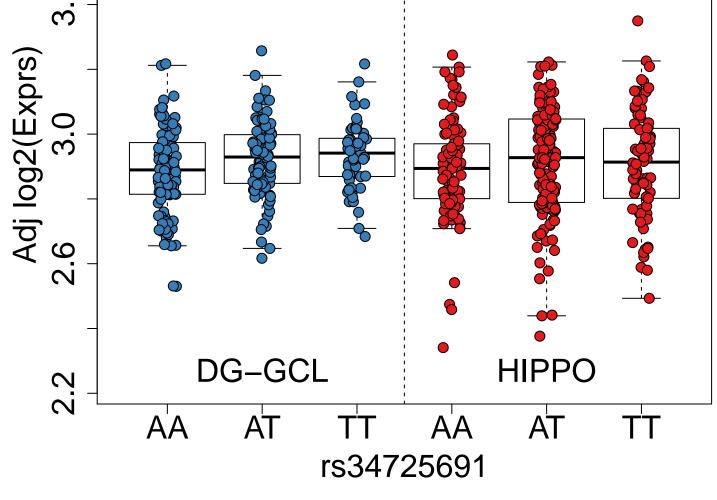
Index: rs12009217 (R^2=0.968) ENSG00000146938.14: NLGN4X 4.2 p=0.000338 p = 0.34Adj log2(Exprs) 1 3.6 3.8 ² DG-GCL **HIPPO** 3.2 GG ΑΑ AG GG AA AG rs5961397

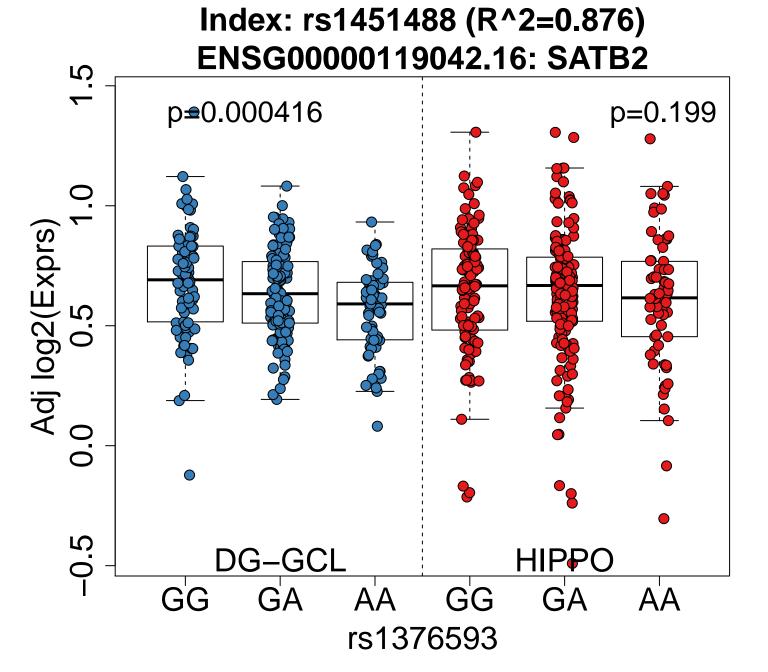


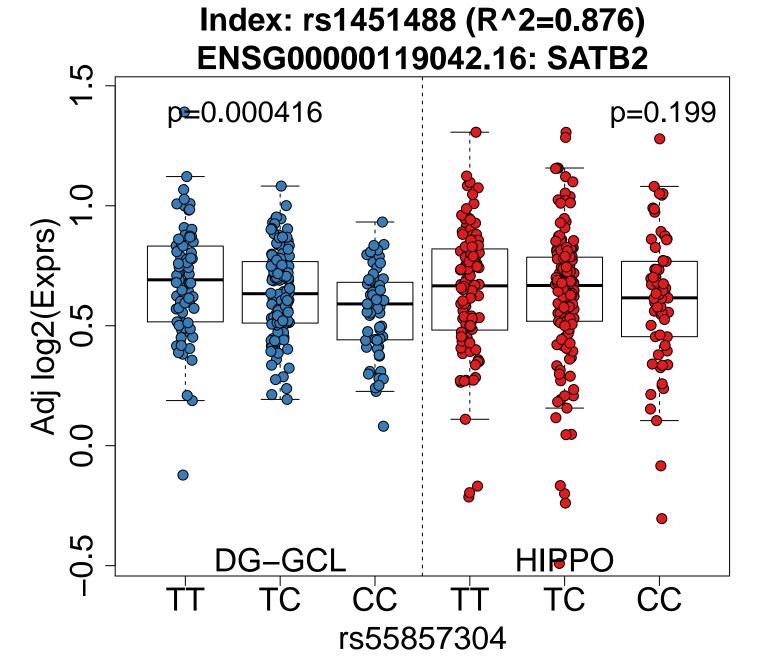


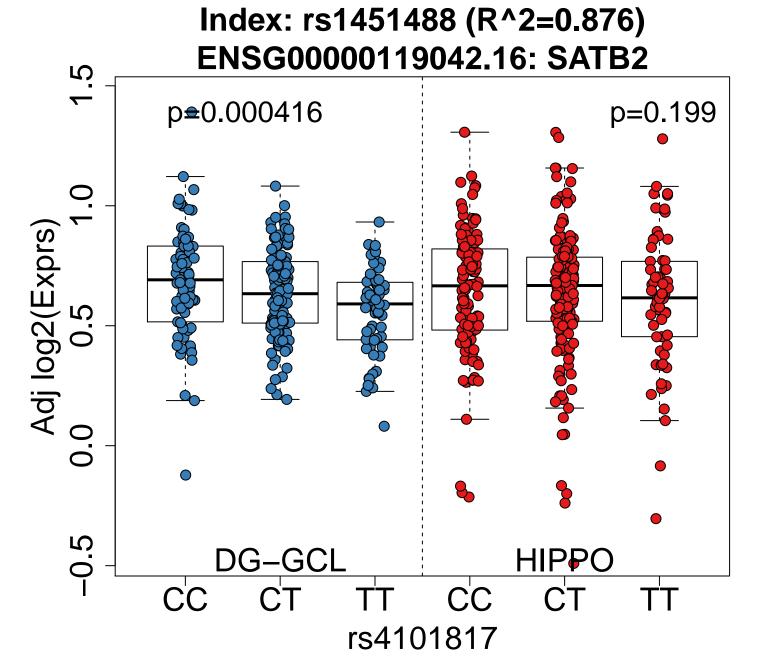


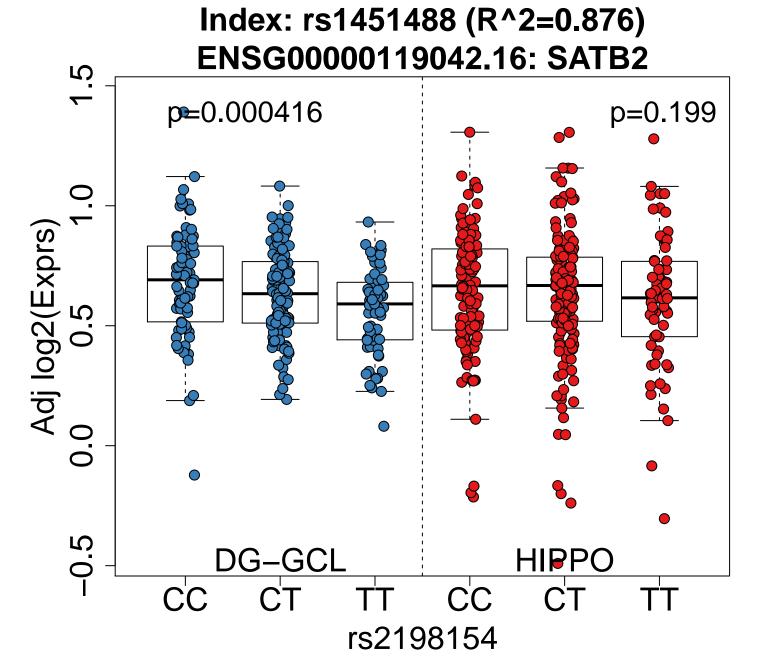
Index: rs7010876 (R^2=0.996) ENSG00000156103.15: MMP16 p=0.000413 p=0.271

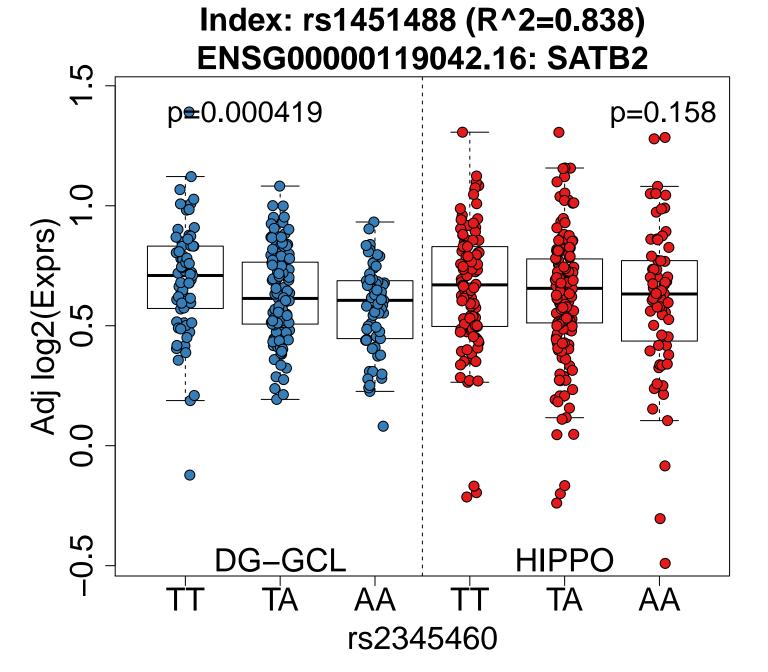


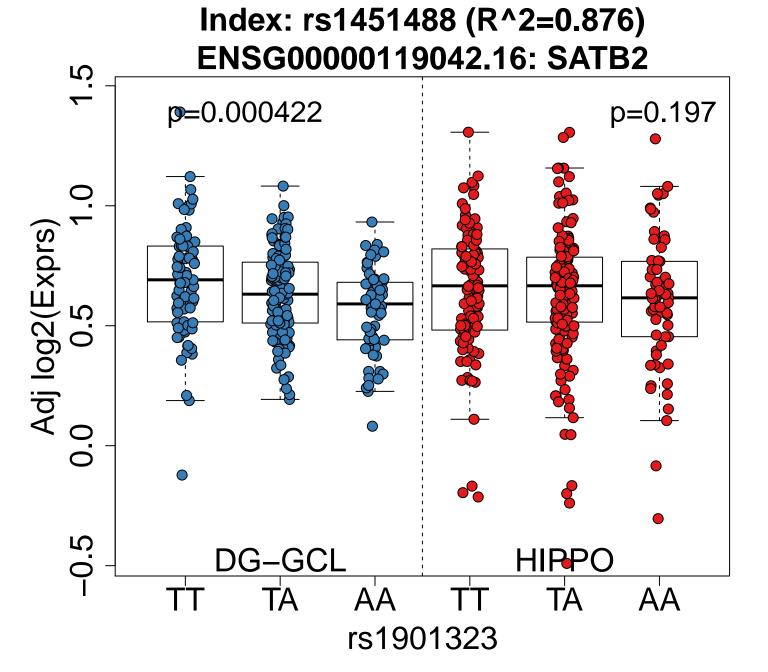


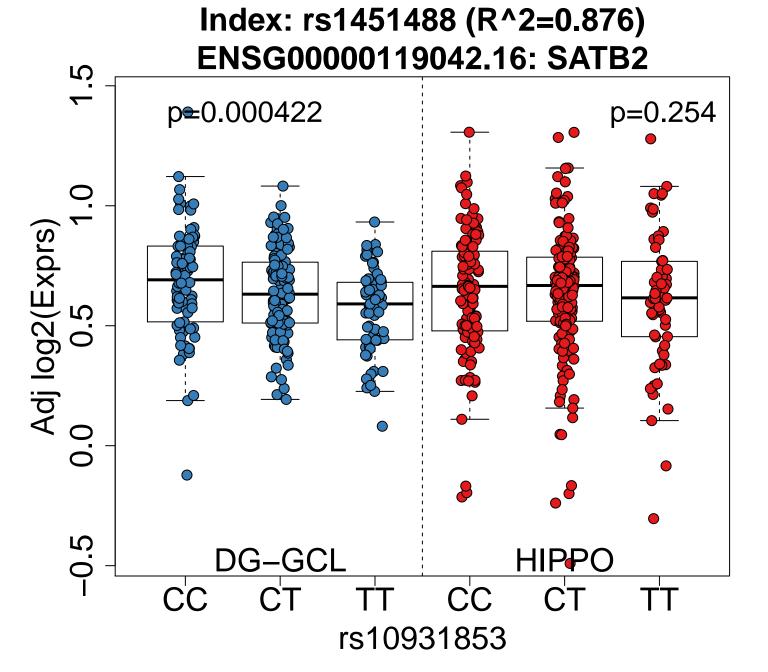


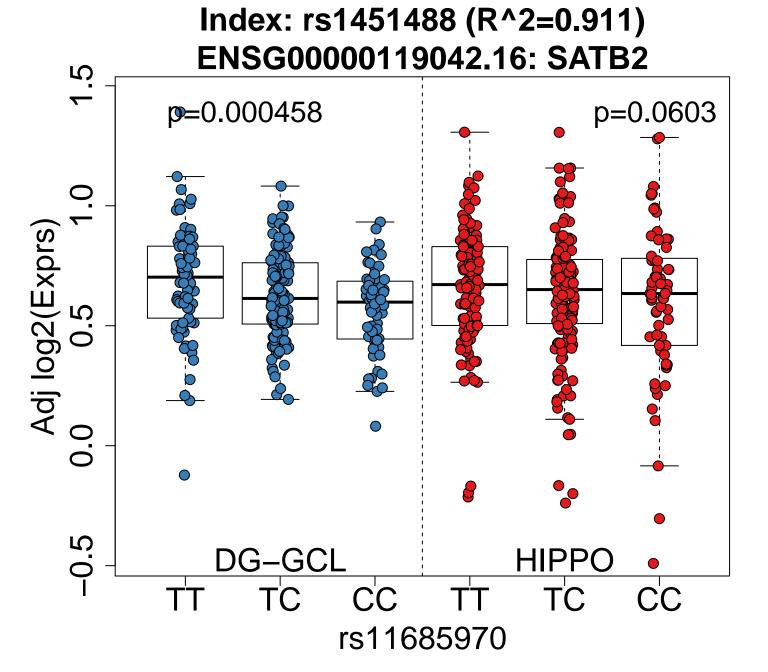


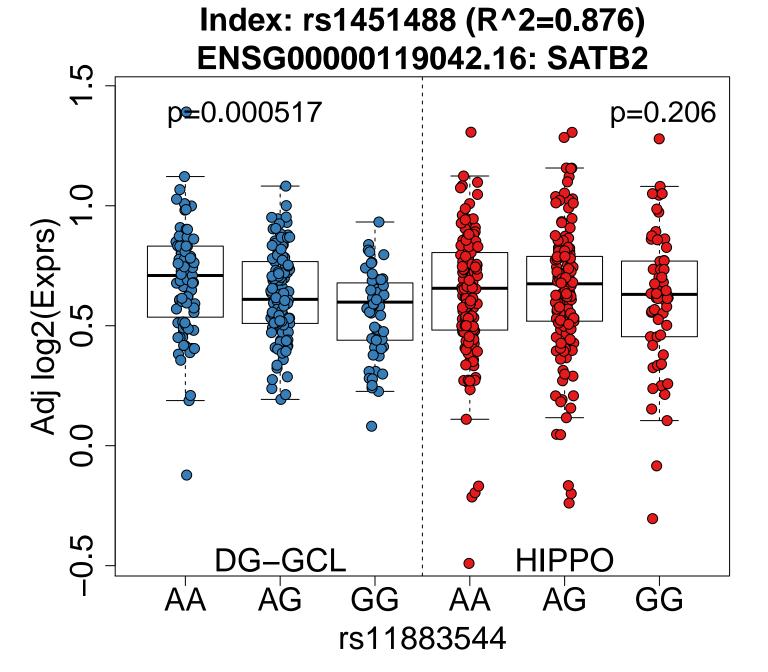




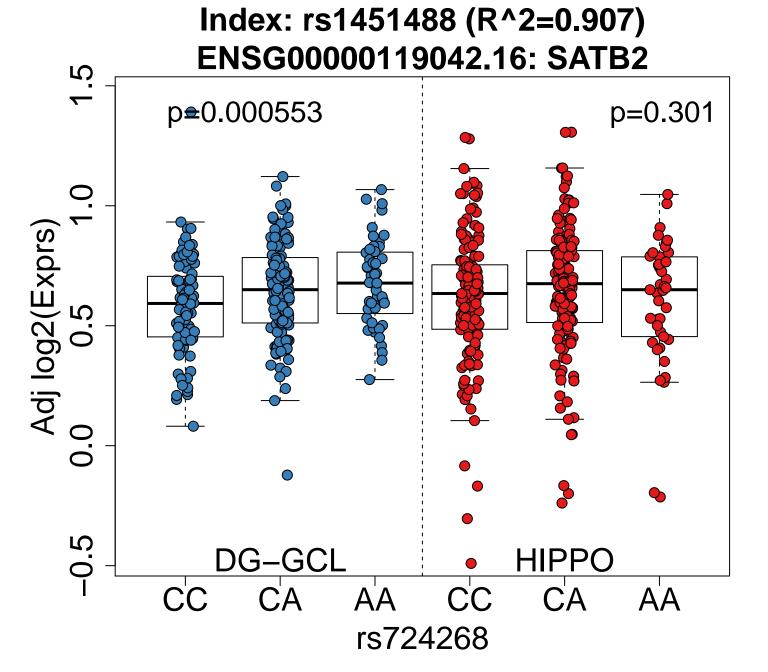


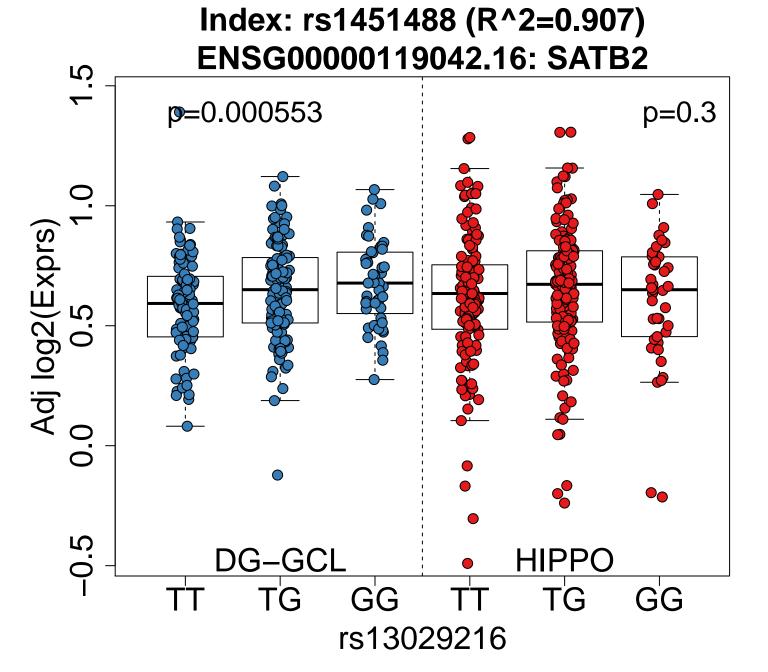


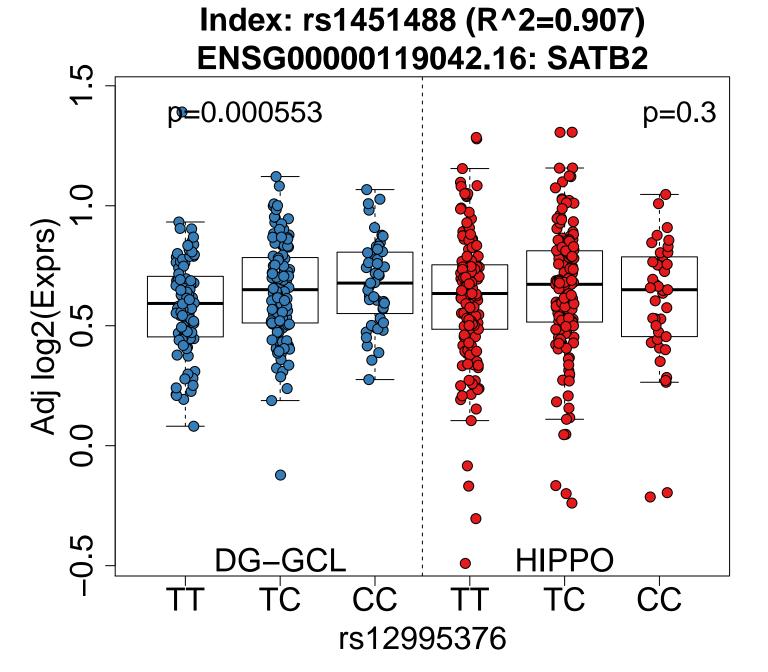


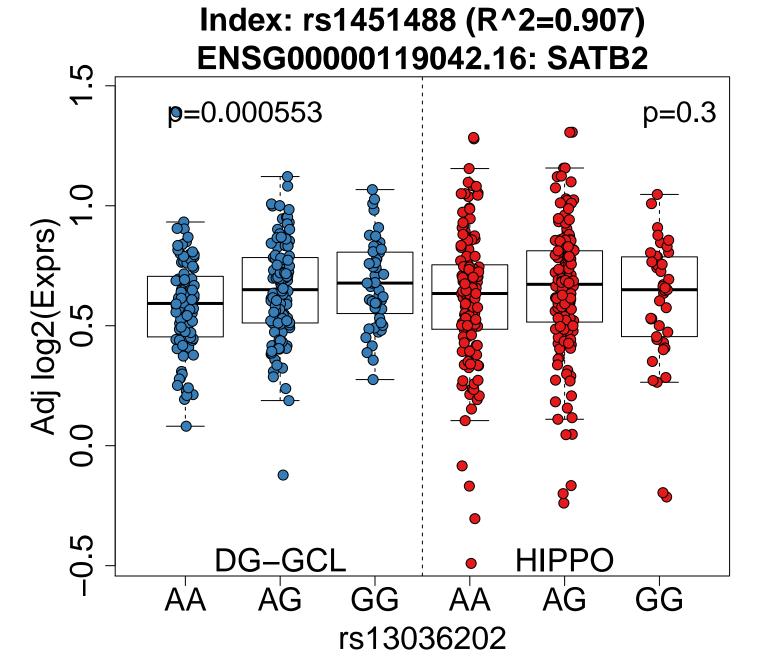


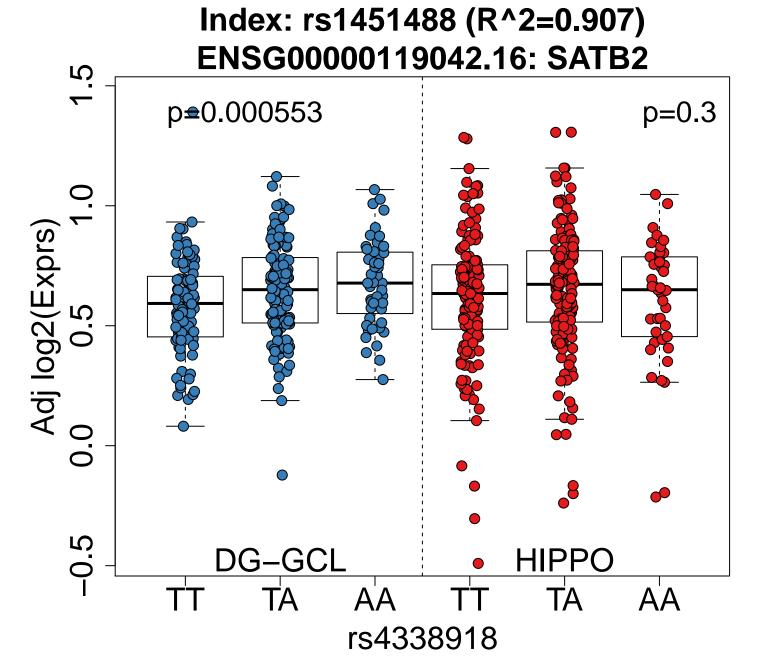
Index: rs7010876 (R^2=0.863) ENSG00000156103.15: MMP16 p=0.000552 p=0.417Adj log2(Exprs) DG-GCL **HIPPO** 2.2 GG GA AA GG GA rs2049073

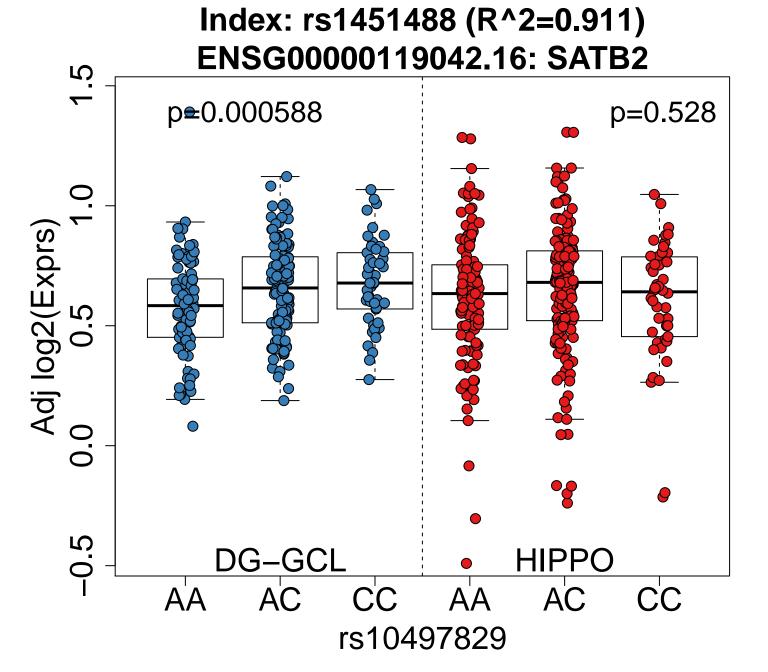


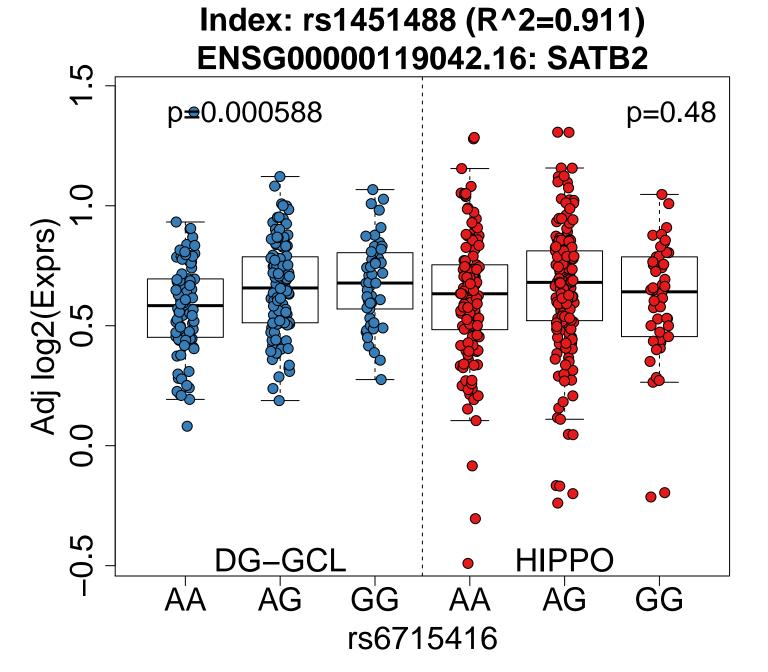


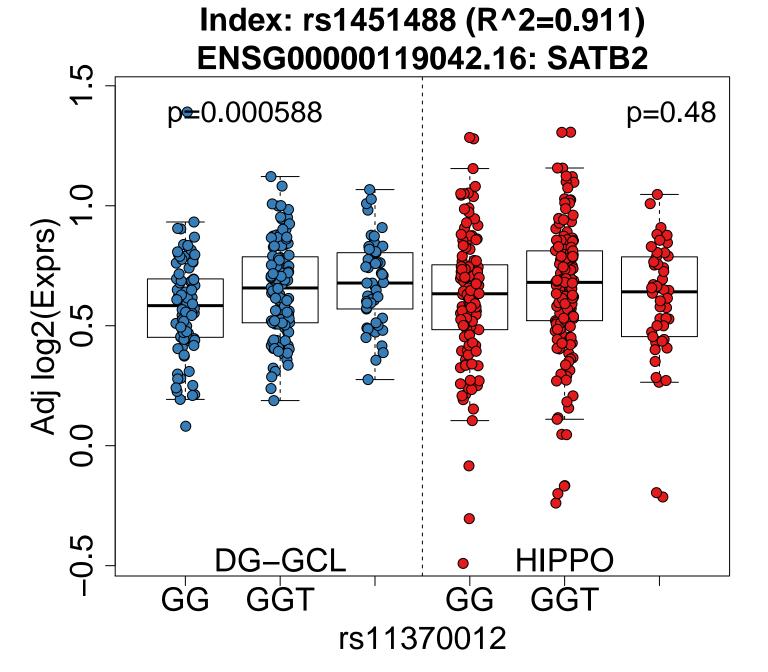


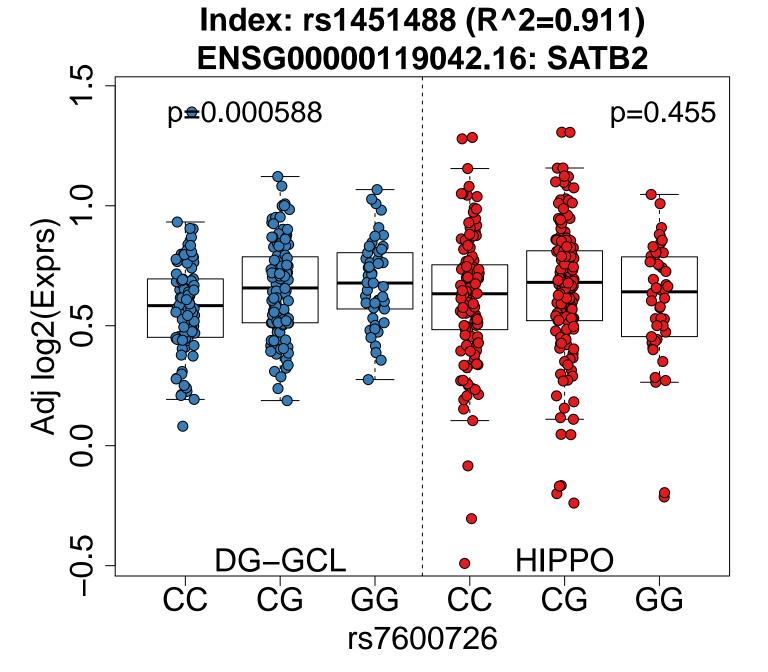






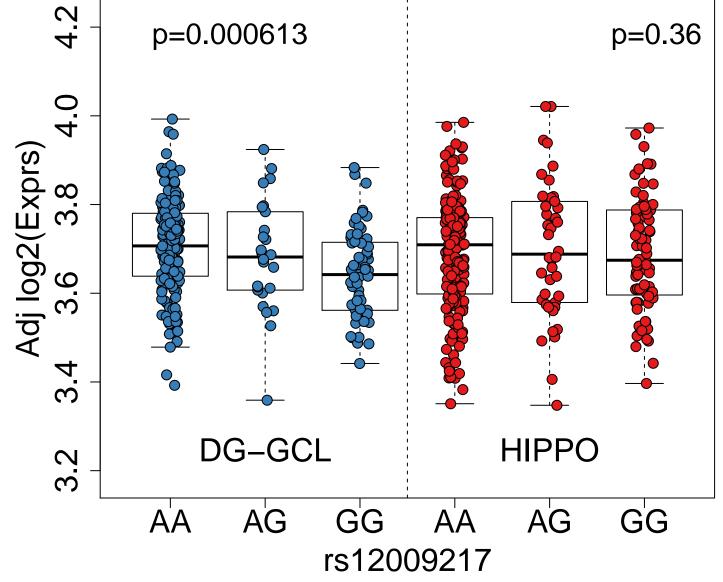






Index: rs7010876 (R^2=0.858) ENSG00000156103.15: MMP16 p=0.000597 p = 0.41Adj log2(Exprs) DG-GCL **HIPPO** 2.2 GG AG GG AA AG rs1879201

Index: rs12009217 (R^2=1) ENSG00000146938.14: NLGN4X



Index: rs1080500 (R^2=1) ENSG00000243696.4: p=0.000614 p=0.3790.8 Adj log2(Exprs) 9.0 DG-GCL **HIPPO** GG GG GA AA rs1080500

